

THEMATICS

For Room Use Only

QA

I

M4236

vol. 26

index

FEB 10 Rec'd

Mathematical Reviews

Published monthly by The American Mathematical Society

INDEX FOR VOLUME 26

July 1963 – December 1963

TABLE OF CONTENTS

Author Index	1417
Subject Classification	1520
Abbreviations of Names of Journals	1527
Errata and Addenda	1543
Transliteration of Russian	1545

For Room Use Only

H

J

Mathematical Reviews

Edited by

H. A. Antosiewicz

R. P. Boas, Jr.

J. V. Wehausen

A. J. Lohwater, *Executive Editor*

J. Franklin, M. Gurtin, *Associate Editors* W. Fleming, K. Nomizu, *Editorial Consultants*

H. A. Pogorzelski, *Assistant Editor*

Janet Sachs, *Editorial Associate*

Volume 26, 1963

Sponsored by

THE AMERICAN MATHEMATICAL SOCIETY

THE MATHEMATICAL ASSOCIATION OF AMERICA

THE INSTITUTE OF MATHEMATICAL STATISTICS

THE EDINBURGH MATHEMATICAL SOCIETY

SOCIÉTÉ MATHÉMATIQUE DE FRANCE

DANSK MATEMATISK FORENING

HET WISKUNDIG GENOOTSCHAP TE AMSTERDAM

THE LONDON MATHEMATICAL SOCIETY

POLSKIE TOWARZYSTWO MATEMATYCZNE

UNIÓN MATEMÁTICA ARGENTINA

INDIAN MATHEMATICAL SOCIETY

UNIONE MATEMATICA ITALIANA

THE SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS

Published by

THE AMERICAN MATHEMATICAL SOCIETY

Mathematical Reviews

Vol. 26, Index

1963

pp. 1417-1545

AUTHOR INDEX

References are to review numbers; an Errata section may be found at the end of this Index. Collections of papers for which an editor (or editors) is named and which are reviewed as a whole are usually listed under the editor's name; e.g., Smith, J. (Editor). Russian authors are listed under the transliterated spelling of Russian used by Mathematical Reviews (see table at the end of this issue). Surnames consisting of more than one part (e.g., von der Heide, de la Rivière, etc.) are listed under the first capital letter.

A few items without personal authors are listed separately at the end of this Index. A star (\star) before a title indicates that the item is a book, while a dagger (\dagger) indicates that reference is made to the item in the Errata section at the end of the Index.

- Aamedt, R. E. 5941: (with Case, K. M.) Useful identities for half-space problems in linear transport theory. 2269: (with Case, K. M.; Rosenbaum, M. and Zweifel, P. F.) Quasi-classical treatment of neutron scattering.
- Aarts, J. M. 5561: (with de Groot, J.) A case of colouration in the four colour problem.
- Abdi, Wazir Hasan. 2824a: On q -Laplace transforms. 2824b: On sequences of q -Laplace transforms. 2824c: On certain q -difference equations and q -Laplace transform.
- Abdul-Halim, N. 1500: (with Al-Salam, W. A.) Double Euler transformations of certain hypergeometric functions.
- Abe, Eiichi. 5100: On simple groups associated with the real simple Lie algebras.
- Abe, Yukio. 2268: (with Osaka, Yukio and Morita, Akira) Collective excited states and dielectric constant in insulators.
- Abellanas, Pedro. 156: A lemma on modules. 6026: \star Elements of mathematics. 6959: The triangulable Riemann variety of a projective space.
- Aberth, Oliver. 6861: An isoperimetric inequality for polyhedra and its application to an extremal problem.
- Abian, Alexander. 766: (with Brown, Arthur B.) Fixed points of continuous mappings into Euclidean n -space. 767: (with Brown, Arthur B.) Fixed points and covering under continuous mappings of a spherical shell. 3032: (with Brown, Arthur B.) A fixed point theorem for the closed 2-cell.
- Abraham, Phillip B. 3718: (with Weiss, George H.) Analytic functions of continuant matrices.
- Abraham, Ralph. 6962: Transversality in manifolds of mappings.
- Abramjan, B. L. 2061: On a method of solving certain space problems in elasticity theory. 2062: (with Bablojan, A. A.) On a contact problem connected with the torsion of a hollow semisphere.
- Abramov, A. A. 3179: On the separation of the principal part of certain algebraic problems. 3200: Conversion of the boundary conditions for systems of linear ordinary differential equations (a variant of the screw method).
- Abramov, L. M. 606: Metric automorphisms with quasi-discrete spectrum.
- Abramson, N. 1987: (with Braverman, L.) Learning to recognize patterns in a random environment.
- Abrahm, Jaromír. 3514: The multiplex method and its application to concave programming.
- Abrikosov, A. A. 4729: (with Gor'kov, L. P. and Dzjalošinskij, I. E.) \star Methods of quantum field theory in statistical physics.
- Acharya, R. 3438: Some considerations on "elementary" particles and bound states in strong interactions. 2211: (with Bhattacharjee, A.) Exactly solvable cases of Regge poles from Mandelstam representation.
- Ackroyd, R. T. 4769: Geometrical methods for determining the accuracy of approximate solutions of the Boltzmann equation. I. One-group scattering and absorbing media.
- Acrives, Andreas. 2097: Corrigendum: "The asymptotic form of the laminar boundary-layer mass-transfer rate for large interfacial velocities". 3371: (with Taylor, Thomas D.) Heat and mass transfer from single spheres in Stokes flow.
- Aczél, J. 508: \dagger Sur une classe d'équations fonctionnelles bilinéaires à plusieurs fonctions inconnues. 2323: Über Homomorphismen und Isomorphismen der affinen Gruppen von Körpern und Ringen. 5316: Some general methods in the theory of functional equations with one variable, and some applications of functional equations. I, II. 6632: \star Ein Blick auf Funktionalgleichungen und ihre Anwendungen. 6892: Remarques sur les relations d'équivalence. 6633: (with Kiesewetter, H.) Über die Reduktion der Stufe bei einer Klasse von Funktionalgleichungen. 509: (with Hoaszu, M. and Straus, E. G.) Functional equations for products and compositions of functions.
- Ádám, András. 3584: Über die monotone Superposition der Wahrheitsfunktionen.
- Adamović, D. D. 6079: (with Mitrinović, D. S. and Djoković, D. Z.) Formule de décomposition d'une fraction rationnelle en éléments simples suivie de quelques applications.
- Adams, J. F. 5574: H -spaces with few cells.
- Adjan, S. I. 3806: Identities in special semigroups.
- Adkins, J. E. 930: Syzygies relating the invariants for transversely isotropic materials. 5849: (with Rivlin, R. S.) Propagation of electromagnetic waves in circular rods in torsion.
- Adler, Giorgio = Adler, György.
- Adler, György. 483: Maggiorazione del gradiente delle funzioni del calore. 1810: Généralisation de la notion de l'enveloppe. 2718: Principes du maximum relatifs aux équations du type elliptique et parabolique dans le cas des conditions aux limites et des conditions initiales respectivement non-continues et non-limitées. 3922: Maggiorazione delle funzioni armoniche con condizioni al contorno di tipo misto.
- Adler, Irving. 142: Composition rings.
- Adler, Roy L. 4172: (with Konheim, Alan G.) A note on translation invariant.
- Adomian, G. 4407: Linear stochastic operators.
- Aeppli, Alfred. 1904: Some exact sequences in cohomology theory for Kähler manifolds.
- Agarwal, R. P. 1502: A basic analogue of MacRobert's E -function.
- Agmon, Shmuel. 5288: On the eigenfunctions and on the eigenvalues of general elliptic boundary value problems.
- Agostinelli, Cataldo. 7288: Sulla stabilità in magnetofluidodinamica.
- Agranović, M. S. 4051: (with Višik, M. I.) Elliptic boundary-value problems depending on a parameter.
- Agranović, Z. S. 3360: (with Marchenko, V. A. and Šestopalov, V. P.) The diffraction of electromagnetic waves from plane metallic lattices.
- Agudo, F. R. Diaz. 4191: A note on linear operators in Hilbert space.

- Ahiezer, I. A. 1148: Growth of fluctuations in a plasma with an unstable distribution function.
- Ahlfors, Lars V. 2598: Geodesic curvature and area. 6393: (with Voill, G.) A uniqueness theorem for Beltrami equations.
- Ahmad, Munir. 5663: (with Ziaud-Din M.) On expression of the k -statistic k_{12} in terms of power sums and sample moments.
- Ahmad, Salah. 1997: Sur le théorème de Glivenko-Cantelli.
- Ahmad, Z. U. 4117: On the absolute Cesàro summability factors of a Fourier series.
- Ahmavaara, Y. 5882: Relativistic quantum theory as a group problem. III. The interaction formalism. 5883: Relativistic quantum theory as a group problem. IV. Mathematical criticism of some current physical techniques. 7025: On the combination of probability and relativity.
- Ahmedov, K. T. 1591: A study of the branching of the solution of the Cauchy problem for an operator differential equation.
- Aiyar, K. R. 5694: On uncorrelated linear functions of order statistics.
- Aizawa, Sadakazu. 5308a: Differentiability of the generalized solution of a non-linear wave equation. 5308b: Singularities of the solution of a non-linear wave equation.
- Aizenberg, L. A. 359: The spaces of functions analytic in (p, q) -circular regions.
- Aizenstat, A. Ja. 6287: The defining relations of the endomorphism semigroup of a finite linearly ordered set.
- Ajdukiewicz, Kazimierz. 5: Measurement.
- Akaza, Tohru. 6394: Length of the singular set of Schottky group.
- Akers, Sheldon B., Jr. 7172: A truth table method for the synthesis of combinational logic.
- Akin, Suat. 655: Sur les cubiques gauches en perspective.
- Akivis, M. A. 688: On the Voss normals of a surface carrying a net of conjugate lines.
- Akô, Kiyoshi. 1601: On a generalization of Perron's method for solving the Dirichlet problem of second order partial differential equations. 5272: On the Dirichlet problem for quasi-linear elliptic differential equations of the second order.
- Akopjan, S. A. 555: On an integral transformation.
- Aksenov, A. P. 979: Supplementary equations for the components of the turbulent stress tensor.
- Aksenov, V. I. 1021: The application of Kirchhoff's approximation to the problem of the dispersion of electromagnetic waves on periodically uneven surfaces with finite conductance.
- Akseen'ev, L. A. 1445: Sufficient conditions for univalence of regular functions.
- Akušskij, I. V. = Akul'skij, Ju. A.
- Akul'skij, Ju. A. 2043: (with Emslianov-Yarslavsky, L. B.; Klyamko, E. K.; Linask, V. S. and Monakhov, G. D.) Methods of speeding-up the operation of digital computers.
- Akutowicz, E. J. 5335: Certain classes of distributions quasi-analytiques au sens de S. Bernstein.
- van Albada, P. J. 2924: Problems of order with respect to tetrahedral sextuples. 4964: (with van Lint, J. H.) Reciprocal bases for the integers.
- Albert, A. A. 3750: (Editor) ★Studies in modern algebra.
- Albert, Arthur. 7461: A mathematical theory of pattern recognition.
- Albert, Eugene. 7036: Markov chains and λ -invariant measures.
- Albrecht, Julius. 4475: Fehlerabschranken und Konvergenzbeschleunigung bei einer monotonen oder alternierenden Iterationsfolge. 4476: Fehlerabschätzungen bei Relaxationsverfahren zur numerischen Auflösung lineares Gleichungssystems. 5728: Zur Fehlerabschätzung beim Gesamt- und Einschrittverfahren für lineare Gleichungssysteme.
- Aldá, Václav. 6618: Bemerkung zur Arbeit "Mathematische Theorie der Torsions- und Biegungsschwingungen anisotroper Stäbe" von A. Apfelbeck.
- Aleksandrov, A. D. 722: A characteristic property of spheres. 5296: Certain estimates for the Dirichlet problem.
- Aleksandrov, A. Ja. 7212: (with Solov'ev, Ju. I.) One form of solution of three-dimensional axisymmetric problems of elasticity theory by means of functions of a complex variable and the solution of these problems for the sphere.
- Aleksandrov, L. A. 2601: On the star-shaped character of the mappings of a domain by functions regular and univalent in the circle. 3892: Boundary values of the functional $J=J(f, \bar{f}, f', \bar{f}')$ on the class of holomorphic functions univalent in a circle. 6387: (with Černikov, V. V.) Extremal properties of star-like mappings.
- Aleksandrov, I. B. 5914: (with Kuhařenko, Ju. A. and Niukkanen, A. V.) The kinetic equation of quantum statistical mechanics.
- Aleksandrov, P. S. 3003: On some results concerning topological spaces and their continuous mappings. 6951: ★Elementary concepts of topology. 6952: ★Die topologischen Dualitätsätze. II: Nichtabgeschlossene Mengen. 2351: (with Ul'janov, P. L.) Dmitrii Evgen'evi Men'šov (on his seventieth birthday).
- Aleksandrov, V. M. 7211: On the approximate solution of a certain type of integral equation.
- Alekseev, V. G. 4398: Orthogonality and equivalence conditions for Gaussian measures in a functional space.
- Alekseev, V. M. 1550: On a problem with a small parameter.
- Aleksenko, I. I. 3335: (with Baranov, R. G. and Pantelëeva, I. N.) The method of transverse approximation in hypersonic aerodynamics.
- Alekseidze, M. 445: Differential properties of the solution of the Dirichlet problem for domains with corners.
- Alençyn, Ju. E. 3889: Some extremal properties of functions multivalent in multiply-connected domains.
- Alekjavičene, A. 5610: A local limit theorem for sums of random variables related to a homogeneous Markov chain, for the case of a stable limit distribution.
- Alexandroff, Paul. = Aleksandrov, P. S.
- Alexandrov, A. D. = Aleksandrov, A. D.
- Alexandrov, A. Ja. = Aleksandrov, A. Ja.
- Alexandrov, V. M. = Aleksandrov, V. M.
- Alexiewicz, A. 6731: The two-norm spaces.
- Alexits, Georges. 4118: Sur quelques résultats et problèmes concernant la convergence et la sommabilité des séries orthogonales générales.
- Alfaró, V. De. Sac De Alfaró, V.
- Alford, W. R. 1858: (with Ball, B. J.) Some almost polyhedral wild arcs.
- Alfsen, E. M. 6345: Order theoretic foundations of integration. 5091: (with Holm, Per) A note on compact representations and almost periodicity in topological groups.
- Alfvén, H. 2142: Confined electron streams in a plasma.
- All, A. A. 1875: On two-tree transformations and the separation of two-tree sets.
- Aliev, F. S. 4141: Correctly posed boundary-value problems for integro-differential equations in a half-space.
- Alimena, Benjamin S. 865: A method of determining unbiased distribution in the Latin square.
- Ališauskas, A. V. 3223: (with Mockus, I. B. and Juška, F. P.) Some problems of applying computers for choosing the most efficient constructive parameters.
- Allan, D. W. 924: On the behaviour of systems of coupled dynamos.
- Allard, J. L. 7130: (with Dobell, A. R. and Hull, T. E.) Mixed congruential random number generators for decimal machines.
- Allegra, G. 3361: Il calcolo dell'intensità di diffrazione dei raggi X da parte di strutture denotanti disordine monodimensionale. I. Criteri matematici. 3362: Il calcolo dell'intensità di diffrazione dei raggi X da parte di strutture denotanti disordine monodimensionale. II. Applicazioni della teoria ad alcuni modelli strutturali con disordine monodimensionale.
- Allen, George. 4517: (with Gyr, John and Thatcher, James) Computer simulation of a model of cognitive organization.
- Alling, Norman L. 3615: On the existence of real-closed fields that are η_α -sets of power \aleph_0 .
- Almazov, A. B. 5937: Theta-function expansion of the dispersion laws for quasi-particles in crystals.
- Almeida Costa, A. 2459: Sur les μ -anneaux et les μ_0 -anneaux. 4309: Filtrés et réseaux.
- Almering, J. H. J. 4963: Rational quadrilaterals.
- Almgren, Frederick Justin, Jr. 4355: The homotopy groups of the integral cycle groups.
- Al'muhamedov, M. I. 1559: The sets of periodic motions determined by a system of differential equations.
- Alonso, R. 3195: A starting method for the three-point Adams predictor-corrector method.

- Alpár, László. 2614: (with Turán, Paul) Sur la distribution des valeurs d'une fonction entière.
- Alperin, J. L. 208: Automorphisms of solvable groups. 209: On a special class of regular p -groups.
- Al-Salam, W. A. 1500: (with Abdul-Halim, N.) Double Euler transformations of certain hypergeometric functions.
- Alt, Franz L. 7464: (with Rhodes, Ida) Hindsight technique in machine translation of natural languages.
- Alterman, Z. 974: Kelvin-Helmholtz instability in media of variable density. 975: Effect of surface tension on the Kelvin-Helmholtz instability of two rotating fluids.
- Aithammer, Peter. 3943: ★Eine Erweiterung des Orthogonalitätsbegriffes bei Polynomen und deren Anwendung auf die beste Approximation.
- Altman, M. 897: A general deflation principle for linear iterations. 898: Concerning the deflation principle for linear iterations. 899: A Newton type method for linear equations. 900: Connection between gradient methods and Newton's method for functionals. 5753: A generalization of Laguerre's method for functional equations. 5753: A general majorant principle for functional equations. 7138: A gradient relaxation method for linear algebraic equations.
- Altmann, S. L. 5723: (with Bradley, C. J.) A note on the calculation of the matrix elements of the rotation group. 6275: (with Bradley, C. J.) On the symmetries of spherical harmonics.
- Alway, G. G. 7443: A triangularization method for computations in linear programming.
- Amar, V. 7358: (with Lucchini, M. and Sona, P. G.) Group properties of free-field equations.
- Amati, Daniele. 4696: (with Fubini, Sergio) Dispersion relation methods in strong interactions. 4708: (with Prentki, J. and Stanghellini, A.) Higher symmetries and Pomerančuk conditions.
- Amato, Vincenzo. 6194: Sui circolanti e sulle equazioni algebriche. I.
- Amato, Vittorio. 1997: Calcolo delle probabilità di transizioni all'ennesimo stadio di una catena markoviana.
- Ambedkar, Vinay. 3450: (with Kadanoff, Leo P.) Electromagnetic properties of superconductors.
- Amblor, E. 2183: (with Eisenstein, J. C. and Schooley, J. F.) Traces of products of angular momentum matrices. II. Spherical basis.
- Amerbaev, V. M. 5367: On a modification of the Mellin transform.
- Amerbaev, V. V. 376: On a class of orthogonal polynomials with complex argument.
- Americo, Luigi. 2879: Sulle equazioni lineari quasi-periodiche negli spazi hilbertiani. II.
- Ames, Edward. 3164: (with Reiter, Stanley) Distributions of correlation coefficients in economic time series.
- Amir, D. 592: Continuous functions' spaces with the bounded extension property.
- Amir-Mož, Ali R. 4221: Properties of certain sets in unitary spaces. 4909: (with Fass, A. L.) ★Elements of linear spaces.
- Amitsur, S. A. 67: Some results on arithmetic functions. 1209: On a lemma in elementary proofs of the prime number theorem. 2481: Homology groups and double complexes for arbitrary fields.
- Amur, K. S. 1804: Generalised geodesic torsion.
- Anand, S. P. S. 2098: (with Kushwaha, R. S.) On the gravitational instability of an inhomogeneous medium. 2127: (with Kushwaha, R. S.) The virial tensor equations for rotating configuration in hydro-magnetics. 4751: (with Kushwaha, R. S.) A virial theorem for plasmas. 2099: (with Talwar, H. S.) On the magnetogravitational instability of an inhomogeneous and rotating medium.
- Ananda-Rau, K. 2397: On the summation of singular series associated with certain quadratic forms. II.
- Andersen, Knud. 1140: (with Shuler, Kurt E. and Weiss, George H.) Studies in nonequilibrium rate processes. V. The relaxation of moments derived from a master equation.
- Anderson, Don L. 950: Love wave dispersion in heterogeneous anisotropic media.
- Anderson, Douglas R. 1845: (with Powderly, Mary) Two problems of Hewitt.
- Anderson, D. R. 2404: (with Stiffler, J. J.) Lower bounds for the maximum moduli of certain classes of trigonometric sums.
- Anderson, F. W. 1336: On f -rings with the ascending chain condition.
- Anderson, Harry E., Jr. 853: (with Fruchter, Benjamin) Geometrical representation of two methods of linear least squares multiple correlation.
- Anderson, J. Edward. 7280: ★Magnetohydrodynamic shock waves.
- Anderson, L. W. 4324: (with Hunter, R. P.) Homomorphisms and dimension. 5546: (with Ward, L. E., Jr.) A structure theorem for topological lattices.
- Anderson, R. D. 1870: On raising flows and mappings.
- Anderson, T. W. 3137: On the distribution of the two-sample Cramér-von Mises criterion. 3149: Asymptotic theory for principal component analysis. 5688: The choice of the degree of a polynomial regression as a multiple decision problem. 5689: Determination of the order of dependence in normally distributed time series. 7090: A test for equality of means when covariance matrices are unequal.
- Andô, Tsuyoshi. 2884: On hyponormal operators.
- Andrade e Silva, João. 2176: La théorie des systèmes de particules dans l'interprétation causale de la Mécanique ondulatoire.
- Andrásfai, B. 3034: Über ein Extremalproblem der Graphentheorie.
- André, Johannes. 667: Über verallgemeinerte Moulton-Ebenen.
- André, Michel. 1883: Les précomplexes semi-simpliciaux. 2549: Cohomologie des algèbres différentielles où opère une algèbre de Lie.
- Andreian Cazacu, Cabiria. 1277: Sur la distribution des restes d'un certain ordre h , modulo p . 3648: Sur les correspondances entre les classes de restes.
- Andreoli, Jean. 7303: Critère nécessaire et suffisant de stabilité pour un plasma de faible pression, sans surfaces magnétiques.
- Andreoli, Giulio. 2379: Sistemi booleani orto normali, loro funzioni algebriche ed operatori su queste. 6091: Strutture booleane e topologia combinatoria.
- Andrews, Frank C. 1143a: Exact evolution of reduced distribution functions in a homogeneous dense classical fluid. 1143b: Approach to equilibrium in a dense classical fluid. 1143c: Evolution of reduced distribution functions for inhomogeneous dense classical fluids.
- Andrews, George E. 679: A lower bound for the volume of strictly convex bodies with many boundary lattice points.
- Andrianov, A. N. 6129: The analytic arithmetic of quadratic forms in an odd number of variables in connection with the theory of modular forms.
- Andrievskii, V. R. 6547: The estimation of self-oscillation parameters in nonlinear automatic control systems.
- Andrunakievič, V. A. 153: Prime modules and the Baer radical. 1339: (with Rjabuhin, Ju. M.) Special modules and special radicals.
- Anger, Gottfried. 5170a: Die Entwicklung der Potential-theorie im Hinblick auf ihre grundlegenden Existenzsätze. I. 5170b: Die Entwicklung der Potential-theorie im Hinblick auf ihre grundlegenden Existenzsätze. II.
- Angrist, Stanley W. 3939: (with Bridge, John F.) An extended table of roots of $J_n'(x)Y_n''(\beta x) - J_n''(\beta x)Y_n'(x) = 0$.
- Anileženko, R. I. 3970: A boundary-value problem for the Thomas-Fermi-Dirac equation.
- Ankeny, N. C. 6152: Reciprocity theorem in cyclotomic fields.
- Anosov, D. V. 716: Roughness of geodesic flows on compact Riemannian manifolds of negative curvature.
- Ancombe, F. J. 3092: (with Aumann, R. J.) A definition of subjective probability.
- Antonio, Rosina Bellino. 6349: Sulla classificazione delle curve algebriche aghembe in base alla determinazione di tutti i multilateri aghembi connessi per ogni ordine e genere. I.
- Antonovskii, M. 4316: Metric spaces over semifields.
- Antosiewicz, H. A. 3991: Boundedness and stability. 4017: Linear control systems.
- Aoki, Masanao. 2343: On a successive approximation technique in solving some control system optimization problems. 4856: On minimum of maximum expected deviation from an unstable equilibrium position of a randomly perturbed control system.
- Aono, Osamu. 3478: Fluctuations in a plasma. II. The numerical factor in the Coulomb logarithm.
- Apanasevič, P. A. 5852: Theory of absorption of intense radiation flows.
- Apanasevič, S. = Apanasewicz, S.
- Apanasewicz, S. 2140: An analysis of plane magnetohydrodynamic flows.

- Appel, Klaus. 594: Solution of eigenvalue problems with approximately known eigenvectors.
- Appling, William D. L. 2576: Infinite series and non-negative valued interval functions.
- Aquaro, G. 3017: Completions of uniform spaces. 5535: Una generalizzazione degli spazi di Lindelöf. 5536: Convergenza localmente quasi-uniforme ed estensione di Hewitt di uno spazio completamente regolare.
- Aracil, D. Jose M. = Orts Aracil, D. Jose M. *s*. See Orts Aracil, D. Jose M. *s*.
- Araki, Huzihiko. 2199: On the connection of spin and commutation relations between different fields.
- Araki, Shôrô. 5093: Cohomology modulo 2 of the compact exceptional groups E_6 and E_7 . 787: (with Shikata, Yoshihiro) Cohomology mod 2 of the compact exceptional group E_8 .
- Aramă, Oleg. 1406: Sur un théorème de W. A. Markov. 4484: Sur le reste de certaines formules de Runge-Kutta pour l'intégration numérique des équations différentielles. 6475: Recherches sur la distribution des racines réelles des intégrales des équations différentielles à propos de quelques problèmes aux limites polylogiques.
- Aratî, M. 834: Estimation of the parameters of a stationary Gaussian Markov process. 2572: Some remarks on the absolute continuity of measures.
- Arbusev, B. A. = Arbuzov, B. A.
- Arbuzov, B. A. 1083: (with Logunov, A. A.; Tavkhelidze, A. N. and Faustov, R. N.) The asymptotic behaviour of the scattering amplitudes and the renormalisation group method. 1091: (with Logunov, A. A.; Tavkhelidze, A. N.; Faustov, R. N. and Filipov, A. T.) Regge poles and perturbation theory.
- Archbold, J. W. 754: (with Smith, C. A. B.) An extension of a theorem of König on graphs.
- Arden, Bruce W. 4512: (with Galler, Bernard A. and Graham, Robert M.) An algorithm for translating Boolean expressions.
- Arens, Richard. 4197: The problem of locally- A functions in a commutative Banach algebra A . 4198: The group of invertible elements of a commutative Banach algebra.
- Arenstorf, Richard F. 7423: Periodic solutions of the restricted three-body problem representing analytic continuations of Keplerian elliptic motions.
- Argemi, José. 396: (with Sideridès, Lefteri) Sur la singularité multiple définie par les formes homogènes des systèmes dynamiques plans.
- Argence, Emile. 2147: Optique géométrique de l'ionosphère (applications à certains problèmes géophysiques).
- Argirova, Tatjana. 6458: (with Genčev, Todor) Some properties of the Jacobi polynomials.
- Arhangelskii, A. V. 738: k -dimensional metrizable spaces. 739: On open and almost-open mappings of topological spaces.
- Arhangelskii, Ju. A. 4524: On single-valued integrals in the problem of motion of a solid body in a Newtonian field of forces.
- Arif-Uz-Zaman. 2186: Covariant polarization analysis of spin 1 particles.
- Arilla, Luis María Garrido. *See* Garrido, L. M.
- Arinal, Jean-Claude. 7446: Sur les programmes des transports.
- Arkhangelskii, Ju. A. = Arhangelskii, Ju. A.
- Arkowitz, Martin. 5575: Homotopy products for H -spaces.
- Armitage, J. V. 2442: On the genus of curves over finite fields.
- Armitage, P. 580: ★Sequential medical trials.
- Armstrong, D. B. 3543: A programmed algorithm for assigning internal codes to sequential machines. 3544: On the efficient assignment of internal codes to sequential machines.
- Arnol'd, V. I. 5256: A theorem of Liouville concerning integrable problems of dynamics. 6535: (with Sinai, Ja. G.) On small perturbations of the automorphisms of a torus.
- Arnowitt, R. 3380: (with Deser, S.) The spin-statistics theorem. 7349: (with Fickler, S. I.) Quantization of the Yang-Mills field. 1182: (with Deser, S. and Misner, C. W.) The dynamics of general relativity.
- Arenson, D. G. 3210: The stability of finite difference approximations to second order linear parabolic differential equations.
- Aronszajn, N. 1485: (with Smith, K. T.) Theory of Bessel potentials. I.
- Arison, I. S. 348: (with Evgrafov, M. A.) On the growth of functions, harmonic in a cylinder and bounded on its surface together with the normal derivative. 2629: (with Evgrafov, M. A.) On the growth of harmonic functions of three variables.
- Arsove, Maynard G. 1476: Continuous potentials and linear mass distributions.
- Artémidiadis, Nicholas. 546: Séries de Dirichlet et transformées de Fourier.
- Arihurs, A. M. 1053: (with Lewis, J. T.) Rotating co-ordinates in scattering theory.
- Artin, Michael. 3704: Some numerical criteria for contractability of curves on algebraic surfaces.
- Artzy, R. 5089: Isotopy and parastrphy of quasigroups. 6291: Net motions and loops.
- Arutjunjan, A. A. 4602: (with Bagdov, A. G.) The propagation of shock waves in a compressible fluid.
- Arvesen, Ole Peter. 675: Sur les courbes s_n .
- Arianov, G. V. 334: On a non-linear boundary-value problem of the type of the Riemann problem.
- Arianyan, I. S. 1196: Stationary limits of gravitational clusters. 2227: On the potentials of quantum mechanics.
- Asano, Choeichiro. 5995: Estimations after preliminary test of significance and their applications to biometrical researches. 5996: Tests due to pooling data through preliminary test on biological direct assay. 5997: A note of modified two-sample-theoretical estimation on biological assay.
- Asano, Shôrô. 4561: Reflection and refraction of elastic waves at a corrugated boundary surface. II.
- Ascoli, R. 1096: On the application of Glaser's results to study analyticity properties of physical amplitudes.
- Ashby, W. Ross. 6017: Principles of the self-organizing system. 6016: (with Riquet, J.) The avoidance of over-writing in self-organizing systems.
- Asplund, Edgar. 5018: Nestinvertible matrices. 1880: (with Grünbaum, B.) On a coloring problem.
- Asribekov, V. E. 1070: Choice of invariant variables for the "many-point" functions. 1071: Choice of invariant variables and analytical properties of many-point functions. 4673: On the kinematics of many-tails.
- Aser, Günter. 2363: Normierte Postische Algorithmen. 4885: Einführung in die mathematische Logik. I. Aussagenkalkül.
- Atabek, H. Bülen. 1540: On an eigenvalue problem. 2093: (with Chang, Chieh C.) Flow between two co-axial tubes near the entry.
- Atanasiu, Mihail C. 7186: (with Voinea, Radu P.) Théorie géométrique des vis et quelques applications à la théorie des mécanismes.
- Atiquallah, M. 5697: (with Cox, D. R.) The use of control observations as an alternative to incomplete block designs.
- Atiyah, M. F. 3080: Immersions and embeddings of manifolds. 6228: Characters and cohomology of finite groups. 3091: (with Hirzebruch, F.) Analytic cycles on complex manifolds. 5593: (with Hirzebruch, F.) The Riemann-Roch theorem for analytic embeddings.
- Atkinson, F. V. 3950: Boundary problems leading to orthogonal polynomials in several variables.
- Atkinson, G. F. 4444: (with Robson, D. S.) Individual degrees of freedom for testing homogeneity of regression coefficients in a one-way analysis of covariance.
- Atkinson, R. d'E. 7411: General relativity in Euclidean terms.
- Atteia, Marc. 6468: Une nouvelle méthode pour l'écriture d'approximations discrètes des solutions des problèmes linéaires différentiels ou aux dérivées partielles.
- Atwater, H. A. 4775: Apparent distortion of relativistically moving objects.
- Aubert, Karl Egil. 6279: Theory of π -ideals.
- Augé, Juan. 6483: Boundedness of the difference of integrals in a differential system.
- Auluck, F. C. 98: (with Kothari, D. S.) Symposium on statistical mechanics and the partition theory of number (abstract of paper). 7282: (with Verma, Y. K.) On the magnetogravitational instability of a homogeneous medium in nonuniform and nonsteady rotation.
- Aumann, Robert J. 5125: Spaces of measurable transformations. 3092: (with Anscombe, F. J.) A definition of subjective probability.
- Aurora, Silvio. 620: On connected normed algebras whose norms satisfy a reality condition.

- Auslander, Joseph. 6930: Mean-L-stable systems.
- Auslander, Louis. 2979: Complete locally affine spaces and algebraic hulls of matrix groups. 1871: (with Hahn, F.) Real functions coming from flows on compact spaces and concepts of almost periodicity. 758: (with Trent, H. M.) On the realization of a linear graph given its algebraic specification. 3044: (with Trent, H. M.) Generalized automorphisms of labelled graphs and graphical invariants.
- Auquier, Marc. 6763: Sur la multiplication d'une distribution par des exponentielles, et ses applications à certaines fonctions analytiques.
- Avazishvili, D. Z. 7302: On a boundary-value problem in optics.
- Averbuh, A. I. 2702: The connection between S. A. Chaplygin's theorem and the theory of optimal processes.
- Avez, André. 2983: Formule de Gauss-Bonnet-Chern en métrique de signature quelconque.
- Axt, Paul. 2352: Enumeration and the Grzegorczyk hierarchy.
- Azarin, V. S. 343: On the indicatrix of a function which is subharmonic in a higher-dimensional space. 344: On subharmonic functions of completely regular growth in a higher-dimensional space.
- Azelev, N. V. 6526: (with Hohrjakov, A. Ja. and Caljuk, Z. B.) Theorems on a differential inequality for boundary-value problems.
- Aziz, A. K. 476: (with Diaz, J. B.) On a mixed boundary-value problem for linear hyperbolic partial differential equations in two independent variables. 6324: (with Diaz, J. B.) On Pompeiu's proof of the mean-value theorem of the differential calculus of real-valued functions.
- Azuma, Masayoshi. 4762: (with Morita, Akira and Nara, Hisashi) Theory of impurity levels.
- Babaev, G. 3897: Asymptotic-geometric properties of the set of integral points on a circle and on certain ellipses. 4974: Asymptotic-geometric properties of the set of integers on certain hyperbolae.
- Babaev, M.-B. A. 6659: On the best degree of approximation of functions of two variables by functions of the type $\varphi(x) + \psi(y)$.
- Babbitt, Donald G. 2208: A summation procedure for certain Feynman integrals.
- Babini, J. 3571: (with González Domínguez, A. and Santaló, L. A.) Julio Rey Pastor.
- Bablojan, A. A. 2082: (with Abramjan, B. L.) On a contact problem connected with the torsion of a hollow semisphere.
- Babulka, Ivo. 5796: Random solution of the rail problem.
- Bach, Włodzimierz. 341: On the asymptotic behaviour of harmonic functions in the quarter-plane.
- Bachet, N. 1964: Le contrôle statistique séquentiel de Wald.
- Backes, F. 4277: Quelques résultats en géométrie conforme.
- Bacon, Ralph Hoyt. 3145: Approximations to multivariate normal orthant probabilities.
- Baer, H. 4709: (with Mandelbrojt, J.) An approach to nucleon-antinucleon phenomena using the Bogoliubov transformation. I.
- Badaljan, G. V. 273: A criterion for expanding functions into quasi-power series and quasianalytic classes of functions. 274: Generalized regular monotonic functions and a criterion for absolute convergence of quasi-power series. 3848: On the representation of functions of non-quasianalytic classes.
- Bae, Mi-See. 53: Notes on the set of the partial orderings.
- Baehr, Hans Dieter. 1025: Thermodynamik. Eine Einführung in die Grundlagen und ihre technischen Anwendungen.
- Baer, Reinhold. 6246: Abzählbar erkennbare gruppentheoretische Eigenschaften. 6247: Gruppentheoretische Eigenschaften. 6248: Partitionen abelscher Gruppen.
- Bagai, O. P. 5667: Distribution of the determinant of the sum of products matrix in the non-central linear case for some values of p .
- Bagaudinova, H. G. 2975: Realization of geometries of a space of affine connection in a conformal space.
- Bagdanov, Ju. S. 1564: Ljapunov norms in the theory of linear differential systems.
- Bagdasarjan, Z. E. 7228: Stability of an anisotropic cylindrical shell under a supersonic gas flow.
- Bagdoev, A. G. 2114: Penetration of shock pressure in an incompressible fluid. 4600: Asymptotic laws for shock pressure. 4602: (with Arutjunjan, A. A.) The propagation of shock waves in a compressible fluid.
- Bagemihl, F. 3910: The Lindelöf theorem and the real and imaginary parts of normal functions. 6416: Characterization of the set of values approached by a meromorphic function on sequences of Jordan curves. 1467: (with Piranian, G.) Boundary functions for functions defined in a disk.
- Bagin, V. M. 5817: On the theory of steady progressive waves on the surface of a fluid of infinite depth.
- Bagley, R. W. 751: A note on almost periodic transformation groups.
- Bahanić, N. N. 2737: On the approximate solution of the Dirichlet problem for the equation of the string.
- Bahtin, I. A. 2875: (with Krasnosel'skiĭ, M. A.) The method of successive approximations in the theory of equations with concave operators.
- Bahvalov, N. S. 3219: Construction of difference equations for an approximate solution of Laplace's equation.
- Bainbridge, E. 3875: (with Cardamone, L.) L'uguaglianza nella relazione triangolare di Steiner.
- Bailey, P. B. 2748: (with Brownell, F. H.) Removal of the log factor in the asymptotic estimates of polygonal membrane eigenvalues.
- Baillette, Aimée. 6660: Fonctions approchables par des sommes d'exponentielles.
- Baily, Walter L., Jr. 121: On the automorphism group of a generic curve of genus > 2 .
- Baily, M. 4767: Maximum variational principle for conduction problems in a magnetic field, and the theory of magnon drag. 4766: (with Franzak, E.) Multiphonon processes occurring in first-order perturbation theory.
- Bakelman, I. Ja. 6615: (with Guberman, I. Ja.) The Dirichlet problem for an equation with a Monge-Ampère operator.
- Baker, A. 2394: Continued fractions of transcendental numbers.
- Baker, George A., Jr. 1054: Relationship between velocity-dependent potentials and hard-core potentials.
- Baker, Irvine Noel. 5165: Permutable entire functions.
- Baker, M. 1101: (with Blankenbecler, R.) Unitarity and high-energy inelastic scattering. 4708: (with Glashow, S. L.) Formal similarities of weak, strong and electromagnetic interactions. 7361: (with Glashow, S. L.) Spontaneous breakdown of elementary particle symmetries.
- Baklan, V. V. 6833: A representation of the solution of the characteristic problem for the telegraph equation in the form of a continual integral.
- Baklanovskaja, V. F. 3214: Numerical solution of the second boundary-value problem for the one-dimensional equation of non-stationary filtration. 2024: (with Kutasov, A. D. and Neigauz, M. G.) Numerical determination of the quasi-stationary solution of a system of one-dimensional parabolic equations.
- Bakshi, Pradip M. 3421: (with Mahanthappa, Kalyana T.) Expectation value formalism in quantum field theory. I. 3422: (with Mahanthappa, Kalyana T.) Expectation value formalism in quantum field theory. II.
- Baktavasalou, M. 598: Sur une transformation de Cayley généralisant les transformations de Foldy-Wouthuysen et de Cimi-Touschek.
- Baladze, D. O. 6962: Homology groups relative to pairs of coefficient groups from the axiomatic point of view.
- Balakin, V. B. 1525: Bilateral approximations to the solution of the equation $y^{(n)} = f(x, y)$.
- Balaş, E. 3525: (with Ivănescu, P.) Transportation problems with variable data. 7447: (with Ivănescu, P.) On the transportation problem. I.
- Balašubramanian, N. 68: Some identities in number theoretic analysis.
- Balázs, János. 2654: An inequality for Hermite polynomials. 4094: (with Turán, P.) Notes on interpolation. VIII. Mean convergence in infinite intervals.
- Balazs, N. L. 5943: (with Bertotti, B.) Inertial rotation in a weak gravitational field.
- Balcerzyk, S. 2496: (with Bialynicki-Birula, A. and Łoś, J.) On direct decompositions of complete direct sums of groups of rank 1.
- Baldassarri, Mario. 3766: Osservazioni sulla struttura dei fasci lisci.
- Balescu, Radu. 7371: General theory of nonequilibrium phenomena.
- Ball, B. J. 1858: (with Alford, W. R.) Some almost polyhedral wild arcs.
- Bambah, R. P. 104: (with Luthar, Indar S. and Madan, M. L.) On the existence of a certain type of basis in a totally real field.

- Bambroo, S. N. 8871: Parameter of distribution of ϕ -congruence. II.
- Bandic, Ivan. 1523: Sur une classe d'équations différentielles indéfinies du deuxième ordre qui apparaît dans la théorie de l'élasticité, dans l'électronique et dans la technique. 3957: Sur certaines équations différentielles indéterminées à deux fonctions inconnues du deuxième et troisième ordre qui apparaissent dans l'hydrodynamique.
- Banerjee, D. P. 1298: On some identities in partition functions. 1505: On Bessel polynomials. 1950: Characterization of the Gamma function. 1966: On the mutual independence of a set of variates in multivariate analysis. 3944: Some arithmetic properties of a polynomial. 5611: On some theorems on Poisson distribution.
- Banerjee, H. 3437: Remark on the conservation of the axial vector current.
- Banerjee, K. S. 7105: Index numbers for factorial effects and their connection with a special kind of irregular fractional plans of factorial experiments.
- Bánkóvi, George. 4465: Evaluation of integrals by Monte Carlo methods based on the one-dimensional random space filling.
- Banks, Dallas. 2681: Upper bounds for the eigenvalues of some vibrating systems.
- Banks, P. J. 4595: (with Hawthorne, W. R.) The effect of a sudden density change on a slightly non-uniform flow.
- Barakat, Richard. 959: Vertical motion of a floating sphere in a sine-wave sea. 4620: (with Levin, Elgie) Application of apodization to increase two-point resolution by the Sparrow criterion. II. Incoherent illumination.
- Barancev, R. G. 3385: (with Alekseenko, I. I. and Panteleeva, I. N.) The method of transverse approximation in hypersonic aerodynamics.
- Baranger, M. 2188: (with Davies, K. T. R.) Symmetry properties of the S -matrix with application to resonance reactions.
- Baranovskii, F. T. 474: A mixed problem for a degenerate hyperbolic equation.
- Barański, F. 4052: On a certain n -dimensional boundary-value problem with simple eigenvalues. 5373: Some sufficient conditions for expanding a kernel in a bilinear series. 6648: On a problem of F. Leja concerning the summability of a matrix by direction.
- Barbălat, Ioan. 7136: (with Vaida, Dragos) Le cas limite du critère de Wittmeyer pour la méthode de Gauss-Seidel.
- Barbashov, B. M. = Barbašov, B. M.
- Barbašin, E. A. 1560: On the construction of periodic motions. 4012: Programmed control of systems with random parameters.
- Barbašov, B. M. 4671: Dynamic resonances in solutions of the Low equation for some field theory models.
- Barbilian, D. 1839: (with Radu, N.) Les J -métriques finalériennes naturelles et la fonction de représentation de Riemann.
- Barbuti, Ugo. 1670: (with Guerra, Sergio) Osservazioni sulla utilizzazione dei polinomi di Tchebychev di prima specie nel calcolo approssimato di funzioni regolari.
- Bard, A. 7162: (with Ceschino, F.; Kuntzmann, J. and Laurent, P.-J.) Formules de base de la méthode de Runge-Kutta.
- Barenblatt, G. I. 7213: The mathematical theory of equilibrium cracks in brittle fracture.
- Bargmann, V. 1034: On the representations of the rotation group.
- Barbin, G. S. 5326: (with Fomenko, V. T.) The bending of surfaces of positive curvature under certain boundary conditions.
- Barker, J. A. 4734: Statistical mechanics of almost one-dimensional systems.
- Barlotti, Adriano. 1798: Una costruzione di una classe di spazi affini generalizzati. 5473: Un'osservazione sulle proprietà che caratterizzano un piano grafico finito.
- Barmin, A. A. 7296: A study of discontinuity surfaces with energy release (or absorption) in magnetohydrodynamics.
- Barnard, G. A. 7066: Comments on Stein's "A remark on the likelihood principle".
- Barner, Martin. 5430: Zur Möbius-Geometrie; die Inversionageometrie ebener Kurven.
- Barnett, V. D. 5840: Some explicit results for an asymmetric two-dimensional random walk.
- Baron, S. 2775a: Summability factors for double series which are summable or bounded by Cesàro methods of real order. 2775b:
- Summability factors and absolute summability for double series which are absolutely Cesàro summable. 2775c: Absolute summability factors for Cesàro-summable and Cesàro-bounded double series.
- de Barra, G. 3102: The convergence of a sum of independent random variables.
- Barratt, M. G. 6227: Corrigenda: "A theorem on the homology of a certain differential group".
- Barrett, John H. 6477: Two-point boundary problems for linear self-adjoint differential equations of the fourth order with middle term.
- Barrett, L. C. 2673: (with Jacobson, R. A.) Utilizing Green's function to solve nonhomogeneous differential systems.
- de la Barrière, Robert Pallu. See Pallu de la Barrière, Robert.
- Barros, Alberto Luiz da Rocha. See da Rocha Barros, Alberto Luiz.
- Barry, J. E. 3973: (with Petty, C. M.) A geometrical approach to the second-order linear differential equation.
- Barry, Jeremiah. 4732: (with Meijer, Paul H. E. and Tanaka, Tomoyasu) Dynamic behavior of a set of weakly coupled Ising spins.
- Barta, J. 4537: Über die Greensche Funktion der Plattenbiegungslgleichung.
- Barthes, Thomas C. 2341: (with Schneidler, David I.) An electronic decoder for Bose-Chaudhuri-Hocquenghem error-correcting codes.
- Barthel, Woldemar. 6898: Nichtlineare Zusammenhänge und deren Holonomiegruppen.
- Bartholomew, D. J. 847: A test of homogeneity of means under restricted alternatives.
- Barile, R. G. 3007: A correction for "Nets and filters in topology".
- Bartlett, C. C. 1483: (with Noble, B.) A derivation of certain variational principles for mixed boundary value problems in potential theory.
- Bartoševský, R. 3094: On a certain characterization of measures in space $C[0, 1]$.
- Barua, S. N. 4588: On secondary flow in stationary curved pipes.
- Barut, A. O. 2223: Analyticity in angular momentum of the relativistic many-channel S matrix from dispersion relations and unitarity. 4665: (with Calogero, F.) Singularities in angular momentum of the scattering amplitude for a class of soluble potentials. 3417: (with Mullen, G. H.) Quantization of two-component higher order spinor equations. 3418: (with Mullen, G. H.) Action principle for higher order Lagrangians with an indefinite metric.
- de Bary, Elisabeth. 7327: (with Giese, Richard-Heinrich; Bullrich, Kurt and Vinnemann, Claus Dieter) Tabellen der Streufunktionen $i_1(p)$, $i_1(q)$ und des Streuquerschnittes $K(z, m)$ homogener Kugelchen, nach der Mie'schen Theorie.
- Baleanu, M. 2058: An analogue of Poisson's formula in elasticity theory.
- Basin, S. L. 4636: The appearance of Fibonacci numbers and the Q matrix in electrical network theory. 4931: Generalized Fibonacci sequences and squared rectangles.
- Basmann, R. L. 5974: A note on the exact finite sample frequency functions of generalized classical linear estimators in two leading over-identified cases.
- Bass, Hyman. 1341: Big projective modules are free.
- Bass, Jean. 580: Espaces vectoriels de fonctions pseudo-aléatoires. 4122: Suites stationnaires dans l'espace de Hilbert. Fonctions spectrales dans les espaces P . 5360: ★Les fonctions pseudo-aléatoires. 6696: (with Khoan, Vo-Khac) Limite d'une suite de fonctions pseudo-aléatoires. Dérivée d'une fonction pseudo-aléatoire.
- Bass, Robert W. 5250: (with Lewis, Daniel C.) Continuous groups and autoanalytic solutions.
- Bassotti, Lucilla. 2857: Approssimazione globale degli autovalori di una trasformazione lineare e compatte.
- Bateman, Paul T. 4973: The Minkowski-Hlawka theorem in the geometry of numbers. 2424: (with Duquette, Alfred L.) The analogue of the Pisot-Vijayaraghavan numbers in fields of formal power series. 6139: (with Horn, Roger A.) A heuristic asymptotic formula concerning the distribution of prime numbers. 2417: (with Kohlbecker, Eugene E. and Tull, Jack P.) On a theorem of Erdős and Fuks in additive number theory.
- Baticle, Edgar. 7070: Probabilités à posteriori des paramètres d'une loi normale.
- Bauer, F. L. 2860: On the field of values subordinate to a norm.
- Bauer, Friedrich-Wilhelm. 3060: Homotopie und Homologie.

- Bauer, Heinz. 1612: Axiomatische Behandlung des Dirichletschen Problems für elliptische und parabolische Differentialgleichungen.
- Bauer, Josef. 1028: Zur Temperaturverteilung in einem elliptischen Zylinder unter dem Einfluss eines periodisch schwankenden Temperaturfeldes.
- Baum, Leonard E. 799: On convergence to $+\infty$ in the law of large numbers. 7451: (with Ferguson, John D. and Katz, Melvin) Infinitely repeated matrix games for which pure strategies suffice.
- Baum, Paul F. 6308: Cohomology of homogeneous spaces.
- Baumann, Eberhard. 2162: Zur Problematik einer Theorie nicht-linearer Netzwerke.
- Baumann, K. 4740: (with Ranninger, J.) Quantum theory of transport coefficients. I.
- Baumert, Leonard D. 3717: (with Golomb, Solomon W.) The search for Hadamard matrices. 6193: (with Golomb, S. W. and Hall, Marshall, Jr.) Discovery of an Hadamard matrix of order 92.
- Baumslag, Gilbert. 202: On abelian hopfian groups. I. 203: A non-hopfian group. 205: A generalisation of a theorem of Mal'cev. 2489: On the residual finiteness of generalised free products of nilpotent groups. 3793: Automorphism groups of residually finite groups. 204: (with Solitar, Donald) Some two-generator one-relator non-Hopfian groups.
- Baul, G. 7268: The small-parameter method for the hypersonic flow of an ideal gas about sharp-nosed bodies. 7269: (with Grib, A. A. and Vjaz'menskaja, L. M.) On some singularities of gas motion at hypersonic speeds.
- Bavrin, I. I. 352: On certain classes of analytic functions of two complex variables.
- Baxi, M. R. S. 1156: Vibratory Brownian motion.
- Baxter, Glen. 2518: A norm inequality for a "finite-section" Wiener-Hopf equation. 3100: On a generalization of the finite arcsine law. 7069: An asymptotic result for the finite predictor.
- Baxter, Ian F. G. 4794: Line elements in physics.
- Bayle, Daniel. 3356: Étude d'une représentation symétrique des lois de l'électromagnétisme.
- Baym, Gordon. 4761: Field-theoretic approach to the properties of the solid state.
- Baz' A. I. 4661: (with Puzikov, L. D. and Smorodinskii, Ja. A.) Reconstruction of the scattering matrix near threshold.
- Bazanov, B. V. 2754: Spectral functions of a symmetric partial difference operator.
- Bazdyrev, V. D. 5275: Equivalence of the principles of limiting amplitude and limiting input.
- Bazer, J. 2130: (with Hurley, J.) Geometrical hydromagnetics.
- Bazilevič, I. E. 2800: (with Koricki, G. V.) Some properties of level curves of univalent conformal mappings.
- Bazley, Norman W. 464: (with Fox, David W.) Truncations in the method of intermediate problems for lower bounds to eigenvalues. 465: (with Fox, David W.) Lower bounds for eigenvalues of Schrödinger's equation. 1998: (with Fox, David W.) A procedure for estimating eigenvalues. 5724: (with Fox, David W.) Lower bounds to eigenvalues using operator decompositions of the form B^*B .
- Beaumont, R. A. 2486: (with Pierce, R. S.) Subrings of algebraic number fields. 6212: (with Pierce, R. S.) Torsion-free rings.
- de Beauregard, Olivier Costa. See Costa de Beauregard, Olivier.
- Beck, F. 4656: (with Steinwedel, H. and Süßmann, G.) Bemerkungen zum Kleinschen Paradoxon.
- Becken, Sigrid. 3769: Spiegelungsrelationen in orthogonalen Gruppen.
- Beckenbach, E. F. 5488: (with Hutchison, G. A.) Meromorphic minimal surfaces.
- Beckers, J. 3387: Sur une propriété de la matrice β_1 relative à la théorie des particules de spin 1.
- Beckmann, P. 7316: On the introduction of particle positions in relativistic quantum mechanics.
- Beesack, Paul R. 2672: On the Green's function of an N -point boundary value problem.
- Behnke, H. 6440: (with Holmann, H.) Der Runge'sche Approximationssatz und seine Verallgemeinerungen in der Funktionentheorie mehrerer komplexer Veränderlicher. 5137: (with Sommer, Friedrich) ★Theorie der analytischen Funktionen einer komplexen Veränderlichen.
- Behr, Helmut. 5039: Über die endliche Definierbarkeit verallgemeinerter Einheitengruppen. 5554: Über die endliche Definierbarkeit von Gruppen.
- Behrens, Ernest-August. 6210: Über die Erweiterung des Idealverbandes einer Algebra bei Adjunktion eines Einselementes.
- Bejan, Dana. 6474: Sur les intégrales singulières du système $f_1(x, y, z, y', z') = 0, f_2(x, y, z, y', z') = 0$.
- Beklemišev, D. V. 6180: Classification of bundles of quadratic forms in three variables.
- Belenkii, S. Z. 2241: (with Ivanenko, I. P.) Cascade theory of showers.
- Belik, G. I. 939: (with Rvačov, V. L.) On the basic integral equation of the contact problem of the theory of elasticity for a semispace whose modulus of elasticity is a power of the depth.
- Belinfante, Frederik, J. 2182: Consequences of the postulate of a complete commuting set of observables in quantum electrodynamics.
- Belinfante, Johan G. 3440: Impulse approximation.
- Beljaev, Ju. K. 815: Continuity and Hölder's conditions for sample functions of stationary Gaussian processes.
- Beljaev, V. A. 1491: On absolute convergence of a power series in two variables.
- Beljakov, V. M. 3933: (with Kravcová, R. I. and Rappoport, M. G.) ★Tables of elliptic integrals. Vol. I.
- Beljustina, L. N. 1547: Small periodic perturbations of a rough autonomous system.
- Bell, C. B. 5690: Mutual information and maximal correlation as measures of dependence.
- Bell, D. A. 3534: ★Information theory and its engineering applications.
- Bell, George I. 7387: Probability distribution of neutrons and precursors in a multiplying assembly.
- Bell, J. S. 1123: Electromagnetic properties of unstable particles. 1127: Formal theory of the optical model. 1128: Functional integrals in statistical mechanics.
- Bellar, Fred J., Jr. 993: An iterative solution of large-scale systems of simultaneous linear equations.
- Bellman, Richard 413: On asymptotic behavior of solutions of second-order differential equations. 414: Vector Lyapunov functions. 4401: On the foundations of a theory of stochastic variational processes. 5259: (with Cooke, Kenneth L.) ★Differential-difference equations. 2344: (with Kalaba, Robert) Dynamic programming applied to control processes governed by general functional equations. 5958: (with Kalaba, Robert) A note on nonlinear summability techniques in invariant imbedding. 6010: (with Kalaba, Robert) A note on interrupted stochastic control processes. 1703: (with Karush, William) On the maximum transform. 3527: (with Karush, William) Functional equations in the theory of dynamic programming. XII. An application of the maximum transform. 3756: (with Kotkin, B.) On the numerical solution of a differential-difference equation arising in analytic number theory. 416: (with Richardson, John M.) A new formalism in perturbation theory using continued fractions. 2016: (with Richardson, J. M.) On some questions arising in the approximate solution of nonlinear differential equations. 3189: (with Kagiwada, H. and Kalaba, R.) A computational procedure for optimal system design and utilization. 1171: (with Kalaba, R. E. and Prestrud, M. C.) ★Invariant imbedding and radiative transfer in slabs of finite thickness. 2275: (with Kalaba, Robert and Ueno, Sueo) Invariant imbedding and time-dependent diffuse reflection by a finite inhomogeneous atmosphere. 1169: (with Kalaba, Robert and Wing, G. Milton) Dissipation functions and invariant imbedding. I. 1170: (with Kalaba, Robert and Wing, G. Milton) Invariant imbedding and neutron transport theory. V. Diffusion as a limiting case.
- Belonogov, V. A. 219: On maximal subgroups. I. 3768: On maximal subgroups. II.
- Belousov, V. D. 5088: On a class of left-distributive quasi-groups.
- Bely, Oleg. 3396: Calcul de potentiels intervenant dans les problèmes de choc.
- Belyaev, Yu. K. = Beljaev, Ju. K.
- Bénabou, Jean. 6225: Catégories avec multiplication.
- Benado, Mihail. 2370: Sur la théorie générale des ensembles partiellement ordonnés.

- Benda, S. 1008: (with Klebe, J.; Lehmann, H.-R. and Miesel, K.) Über eine Methode zur Bestimmung von Brennweiten optischer Systeme.
- Benders, J. F. 4820: Partitioning procedures for solving mixed-variables programming problems.
- Beneš, V. E. 5387: Ultimately periodic behavior in a class of non-linear servo-mechanisms. 7057: A "thermodynamic" theory of traffic in connecting networks.
- Beniest, W. 2330: Le concept de point d'équilibre dans la théorie des jeux finis à deux personnes et de somme non-nulle.
- Benjamin, T. Brooke. 2087: Theory of the vortex breakdown phenomenon. 4591: The development of three-dimensional disturbances in an unstable film of liquid flowing down an inclined plane.
- Ben-Menahem, Ari. 1509: An operational representation of the addition theorems for spherical waves.
- Benthem, J. P. 4530: On the numerical solution of certain functional equations arising in stress diffusion problems.
- Ben-Tuvia, S. 3515: (with Ehrenfeld, S.) The efficiency of statistical simulation procedures.
- Benz, Herbert. 139: Über diskret fastbewertete perfekte Ringe und die Arithmetik der Hauptordnungen in Algebren.
- Benz, Walter. 4233: Zur Theorie der Möbiussebenen. II. 5452: Säume von Gruppen in affinen Ebenen mit Nachbarelementen und allgemeineren Strukturen.
- Benzséri, J. P. 6988: (with Le Roy, F.) On singularities of analytic fields.
- Berberian, S. K. 1413: The product of two measures. 6771: A note on hyponormal operators. 2567: (with Jakobson, J. F.) A note on Borel sets.
- Berekašvili, V. A. 5326: On the formal connection between the Cesàro and Abel summation methods.
- Berendt, G. 4697: Retarded functions and potential scattering.
- Berezanskii, Ju. M. 5406: Some examples of spaces with negative norm. 2880: (with Oroško, Ju. B.) A remark concerning the growth of eigenfunctions of self-adjoint operators. 4030: (with Kroin, S. G. and Roitberg, Ja. A.) A theorem on homeomorphisms and local increase of smoothness up to the boundary for solutions of elliptic equations.
- Berezin, F. A. 2193: On the Lee model.
- Berezovskii, A. A. 3280: (with Šestopal, A. F.) Integro-differential equations of local stability of shallow shells.
- Berg, I. D. 1646: (with Wilansky, Albert) Periodic, almost-periodic, and semiperiodic sequences.
- Berg, Lothar. 6663: Asymptotische Entwicklungen für Parameter-integrale. I.
- Berge, Claude. 5990: Les problèmes de flot et de tension.
- Berger, M. 719: An extension of Rauch's metric comparison theorem and some applications. 720: On the characteristic of positively-pinched Riemannian manifolds. 4296: (with Bott, R.) Sur les variétés à courbure strictement positive.
- Berman, S. 3928: Distinguished boundary sets in the theory of functions of two complex variables. 4044: (with Bojanić, Ranko) Application of integral operators to the theory of partial differential equations with singular coefficients. 1236: (with Szegő, Gabor; Loewner, Charles; Schiffer, Menahem Max; Neyman, Jerzy; Gilberg, David and Solomon, Herbart; co-editors) ★Studies in mathematical analysis and related topics; Essays in honor of George Pólya.
- Bergmann, Peter G. 2302: The special theory of relativity. 2303: The general theory of relativity.
- Berkovič, Ja. G. 3779: On the theorem of Hall and Čunihin.
- Berjand, O. S. 5666: (with Nazarov, I. M. and Pressman, A. Ja.) η^* -erfc-distribution or mixed Gaus-Poisson distribution.
- Berman, D. L. 1679: Some inequalities and their application to interpolation processes. 4180: Classification of polynomial operations.
- Berman, Simeon M. 3095: Equally correlated random variables. 4411: A Markov process on binary numbers.
- Bernard, G. D. 4632: (with Ishimaru, A.) Closed form analysis for the radiation pattern of the modulated antenna.
- Bernardi, S. D. 318: Functions with positive real part and schlicht functions.
- Bernstein, B. 2361: (with Toupin, R. A.) Some properties of the Hessian matrix of a strictly convex function.
- Bernstein, Dorothy L. 555: (with Coon, Geraldine A.) Some general formulas for double Laplace transformations.
- Bernstein, Leon. 77: Zur Lösung der diophantischen Gleichung $m/n = 1/x + 1/y + 1/z$, insbesondere im Fall $m=4$.
- Berruti, Onesti, Natalia. 4212: A proposito di una classificazione di integrali curvilinei dello spazio nel calcolo delle variazioni.
- Berstein, P. Ja. 949: Wave reflection at the boundary of an anisotropic half space.
- Bert, Charles W. 7209: Displacements in a polar-orthotropic disk of varying thickness.
- Bertotti, B. 5943: (with Balazs, N. L.) Inertial rotation in a weak gravitational field. 1176: (with Brill, Dieter and Krotkov, Robert) Experiments on gravitation.
- Bertrandias, Jean-Paul. 2812: Fonctions pseudo-aléatoires et fonctions presque périodiques. 6697: Décomposition des fonctions admettant une fonction de corrélation temporelle en somme de trois fonctions.
- Besala, P. 6603: A remark on a problem of M. Krzyżanowski concerning second order parabolic equations. 6604: Evaluations of solutions of a second order parabolic equation.
- Besicovitch, A. S. 1294: On additive functions of a positive integer. 6337: Two problems on power series.
- Beskin, L. N. 2981: The set of quadrics of a three-dimensional Riemannian space.
- Bessaga, C. 2855: (with Pelczyński, A.) On the topological classification of complete linear metric spaces. 4313: (with Rolewicz, S.) On bounded sets in F -spaces. 4157: (with Pelczyński, A. and Rolewicz, S.) Approximative dimension of linear topological spaces and some of its applications.
- Besserre, Annie. 2462: Un analogue de la clôture algébrique pour les anneaux. 2463: Sur quelques propriétés d'un couple d'anneaux.
- Bessonov, Ju. L. 1678: Approximation of periodic functions of class $W_{p,q}^{(r,s)}$ by Fourier sums.
- Beth, E. W. 6035: ★I fondamenti logici della matematica. 6036: La logique des quanteurs axiomatisations faibles pour l'arithmétique.
- Bethe, H. A. 5893: (with Kinoshita, T.) Behavior of Regge poles in a potential at large energy.
- Bettis, D. D. 5870: (with Schiff, H. and Strickfaden, W. B.) Approximate solution of a nonlinear field equation.
- Beurling, Arne. 2551: (with Livingston, A. E.) A theorem on duality mappings in Banach spaces. 5901: (with Malliavin, P.) On Fourier transforms of measures with compact support.
- Beutler, Frederick J. 4832: Sampling theorems and bases in a Hilbert space. 7033: Multivariate wide-sense Markov processes and prediction theory.
- Bezakov, K. A. 2116: Interaction of a shock wave with a free surface of a fluid.
- Bezborodnikov, M. F. 1490: On the best polynomial approximation of functions of several variables.
- Bharucha-Reid, Albert Turner. 2836: On random solutions of integral equations in Banach spaces.
- Bhatt, Shri Nivas. 5354: An aspect of local property of absolute summability of the derived Fourier series.
- Bhattacharjee, A. 2211: (with Acharya, R.) Exactly solvable cases of Regge poles from Mandelstam representation.
- Bhattacharyya, B. P. 4857: Describing-function expressions for sine-type functional non-linearity in feedback control systems.
- Bhavanacharyulu, L. 2273: (with Raghavacharyulu, I. V. V.) Simplification in finding the allowable representations of space groups.
- Bhonsle, B. R. 3948: On some results involving Jacobi polynomials.
- Bhowmick, Smriti Kana. 5787: Note on the stresses due to a nucleus in the form of a centre of rotation in an infinite elastic solid with a rigid spheroidal inclusion.
- Bhuta, Pravin G. 5795: (with Jones, John P.) On axial vibrations of a whirling bar.
- Bialas, Elżbieta. 7417: Gravito-electromagnetic field equations in Rayki's unitary field theory.

- Bialynicki-Birula, Z. 5884: On the coupling constant in the presence of an unstable particle.

Bialynicki-Birula, A. 2496: (with Balcerzyk, S. and Łoś, J.) On direct decompositions of complete direct sums of groups of rank 1.

Bialynicki-Birula, I. 7343: On the gauge covariance of quantum electrodynamics. 7344: Gauge-invariant variables in the Yang-Mills theory.

Bianchi, L. 5867: (with Gallina, V.; Nata, P. and Viano, G.) On the three-body Green's function for S -states.

Bicadze, A. V. 5173: The homogeneous problem for the directional derivative for harmonic functions in three-dimensional regions.

Bieberbach, Ludwig. 678: Tschebychefnetze auf Rotationseiflächen.

Biedenharn, L. C. 3419: Invariant operators of the Casimir type. 3790: Wigner coefficients for the R_4 group and some applications. 5097: On the representations of the semisimple Lie groups. I. The explicit construction of invariants for the unimodular unitary group in N dimensions. 7362: The generalisation of the Wigner-Racah angular momentum calculus.

Bielecki, Adam. 315: (with Lewandowski, Zdzisław) Sur certaines familles de fonctions à-étoilées. 3387: (with Lewandowski, Z.) Sur une généralisation de quelques théorèmes de M. Biernacki sur les fonctions analytiques. 5151: (with Lewandowski, Z.) Sur un théorème concernant les fonctions univalentes linéairement accessibles de M. Biernacki. 6858: (with Radziszewski, Konstanty) Sur les cordes divisant l'aire d'un ovale dans un rapport donné.

Bienienstock, Arthur. 6262: (with Ewald, P. P.) Symmetry of Fourier space.

Bierlein, Dietrich. 7019a: Über die Fortsetzung von Wahrscheinlichkeitsfeldern. 7019b: Die Konstruktion eines Masses $\mu|B(K \times B)$ zu vorgegebenem Marginalmass $p|K$ mit $\mu(B_0)=1$ für eine vorgegebene Menge B_0 .

Bigg, M. D. 7442: The minimization of a general function subject to a set of non-linear constraints.

Biggiogero, Giuseppina Masotti. See Masotti Biggiogero, Giuseppina.

Bigot, Charles. 5228: (with Gille, Jean-Charles and Boisvert, Louis-Mozart) À propos du phénomène du saut dans les réponses en fréquences de systèmes non linéaires.

Bihari, I. 6496: On the nonlinear equation $u'' + a(t)u + g(t)f(u^2) = 0$. 6497: Asymptotic behaviour of the solutions of certain second order ordinary differential equations perturbed by a half-linear term. 6498: Extension of a theorem of Armellini-Tonelli-Sansone to the nonlinear equation $u'' + a(t)f(u) = 0$.

Bilaniuk, O. M. P. 3485: (with Deshpande, V. K. and Sudarshan, E. C. G.) "Moto" relativity.

Bilinski, Stanisław. 4257: "Der Vierechteitsatz" für gleichseitige Polygone.

Billard, Pierre. 1687: Les séries de Fourier aléatoirement bornées, continues, uniformément convergentes. 6674: Condition nécessaire pour que la fonction aléatoire $f(x)$ définie par la série de Fourier aléatoire $\sum_{n=1}^{\infty} \pm a_n \cos nx$ soit presque sûrement bornée.

Billings, John H. 6597: An extension of the Laplace cascade method to systems of second-order equations.

Bilodeau, G. G. 2770: On the use of summability methods to increase the rate of convergence of series.

Bing, R. H. 4331: Each disk in E^3 contains a tame arc. 4333: Each disk in E^3 is pierced by a tame arc.

Biet, M. A. 4559: Generalized theory of acoustic propagation in porous dissipative media.

Birch, B. J. 1306: Waring's problem in algebraic number fields. 3669: (with Swinnerton-Dyer, H. P. F.) Notes on elliptic curves. I. 2421: (with Davenport, H. and Lewis, D. J.) The addition of norm forms.

Birjukov, A. P. 6281: Semigroups which are prescribed by identities.

Birkhoff, Garrett. 2279: Some mathematical problems of nuclear reactor theory. 2728: Albedo functions for elliptic equations. 3826: Uniformly semi-primitive multiplicative processes. 7263: (with Kampe de Fériet, J.) Kinematics of homogeneous turbulence. D. Metric transitivity.

Birman, M. S. 463: On the spectrum of singular boundary-value problems. 6823: On existence conditions for wave operators.

Birkhoff, George D. 2731: (with Skvorcov, G. E.) On square summability of derivatives of the solution of the Cauchy problem in a domain with piecewise smooth boundary.

Birnbaum, Allan. 5671: Generalized maximum likelihood methods with exact justifications on two levels. 5672: (with Dudman, Jack) Logistic order statistics.

Birnbaum, Z. W. 5615: (with Marshall, Albert W.) Some multivariate Chebyshev inequalities with extensions to continuous parameter processes.

Bishkr, John. 3166: Maximum population size in a branching process.

Bischoff, F. E. 2162: Nonlinear effects in thermal convection. 7262: Asymmetric inviscid modes of instability in Couette flow.

Blitner, R. 4123a: Algebraic properties of linear derivative equations in linear spaces. 4123b: Algebraic properties of linear derivative equations in algebras. 4123c: Non-linear derivative equation in K_F -spaces.

Björk, Göran. 6798: (with Thomée, Vidar) A property of bounded normal operators in Hilbert space.

Blackman, Nelson M. 6866: The closest packing of equal spheres in a larger sphere.

Blackwell, David. 7449: Discrete dynamic programming. 6346: (with Dubins, Lester E.) Sharp bounds on the distribution of the Hardy-Littlewood maximal function. 7062: (with Dubins, Lester) Merging of opinions with increasing information. 5666: (with Rylli-Nardzewski, C.) Non-existence of everywhere proper conditional distributions.

Blair, R. L. 6214: (with Eggan, L. C.) On the compactness of the structure space of a ring.

Blanc, Ch. 5759: Sur l'estimation des erreurs d'arrondi.

Blanch, G. 6444: (with Clemm, D. S.) ★Tables relating to the radial Mathieu functions. Vol. I: Functions of the first kind.

Blanché, R. 1259: ★Axiomatics.

Blankenbecler, R. 1101: (with Baker, M.) Unitarity and high-energy inelastic scattering. 2210: (with Cook, L. F., Jr. and Goldberger, M. L.) Regge poles in high-energy electron scattering.

Blanula, Danilo. 1397: On periodic functions.

Blaquière, Augustin. 5641: Résolution de l'équation de Fokker-Planck au moyen des théorèmes de Campbell. 5942: Relation entre la méthode de Fokker-Planck et la méthode de la fonction caractéristique de probabilités. 6522: L'extension de la méthode de Nyquist aux boucles non-linéaires. Application à l'étude de la stabilité des réacteurs nucléaires. 7312: (with Grivet, P.) The nonlinear effect, arising from white noise and the flicker effect, in nuclear resonance spectrometers of the "marginal oscillator" type.

Blatt, John M. 3464: Qualitative arguments concerning the Bose-Einstein condensation of Fermion pairs. 3248: (with Lyness, J. N.) The practical use of variation principles in non-linear mechanics.

Blatter, Christian. 6396: Über ein Typenproblem.

Blattner, Robert J. 2885: On induced representations. II. Infinitesimal induction. 5095: Positive definite measures.

Bleicher, M. N. 6862: Lattice coverings of n -space by spheres. 58: (with Marczewski, E.) Remarks on dependence relations and closure operators.

Blinnikova, V. 4279: Some geometric objects of a metric space of linear elements. 6918: On the theory of hypersurfaces of the linear space of line elements with Euclidean connection.

Blinnikova, I. 6902: The local theory of congruences of geodesic curves in a space with Euclidean connection.

Blijnikina, I. A. 2743: Solution of a boundary-value problem by the Fourier method for the equation $u_{yy} + K(y)u_{xx} = 0$ with data on a characteristic and on a line of degeneracy.

Bloch, Claude. 1129: Quelques développements récents de la mécanique statistique quantique d'un système de particules en interaction. 1130: General perturbation formalism for the many-body problem at nonzero temperatures. 3451: (with Messiah, Albert) The canonical form of an antisymmetric tensor and its application to the theory of superconductivity.

Bloembergen, N. 3354: (with Perhan, P. S.) Light waves at the boundary of nonlinear media.

Bloch, A. S. 7473: Canonical method of switching circuit synthesis.

→ see Blizikine, I.

- Blohin, É. P. 7215: (with Lazarjan, V. A.) Transitional processes of the motion of systems consisting of three rigid bodies and two deformed rods.
- Blohinsev, L. D. 4705: (with Dolinskii, È. I. and Popov, V. S.) Analytic properties of nonrelativistic graphs.
- Blok, A. Sh. = Bloh, A. S.
- Blokintsev, L. D. = Blohinsev, L. D.
- Bloom, Martin H. 2090: (with Steiger, Martin H.) Three-dimensional viscous wakes. 5821: (with Steiger, Martin H.) Linearized swirling wakes.
- Bluestein, L. I. 3540: (with Schwarz, R. J.) Optimum zero memory filters.
- Blum, E. K. 3190: A modification of the Runge-Kutta fourth-order method.
- Blum, J. R. 1412: (with Hanson, D. L.) On the isomorphism problem for Bernoulli schemes. 4416: (with Hanson, D. L.) On a problem in Hilbert space with applications. 4417: (with Hanson, D. L. and Parter, S. V.) On a class of simple random walks.
- Blum, Lesser. 3488: Evolution of a crystal in an oscillating field. 4659: The evolution equation for the homogeneous crystal. 5916: Evolution of the density matrix of large systems. 7367: Formal sum of pairing diagrams.
- Blume, M. 2243: (with Watson, R. E.) Theory of spin-orbit coupling in atoms. I. Derivation of the spin-orbit coupling constant.
- Blumenthal, L. 6364: A generalized polarization identity.
- Blumenthal, Bernhard. 7181: ★Die Umkehrung und Multiplikation von Matrizen mit Hilfe von Aritmamaschinen. Ein Beispiel für die vielseitigen Einsatzmöglichkeiten moderner Lochkartenanlagen.
- Blumenthal, R. M. 5619: (with Getoor, R. K. and McKean, H. P., Jr.) Markov processes with identical hitting distributions.
- Blunden, W. J. 6864: Multiple packing of circles in the plane.
- Boardman, A. D. 997: (with Roberts, P. H.) The effect of a vertical magnetic field on the propagation of gravity waves along the plane surface of a semi-infinite viscous, electrically conducting fluid.
- Boas, R. P., Jr. 1685: Inversion of Fourier and Laplace transforms. 5348: Integrability of nonnegative trigonometric series. 6667: Majorant problems for trigonometric series. 2610: (with Rahman, K. I.) Some inequalities for polynomials and entire functions.
- Bobkov, V. V. 533: (with Tureckii, A. H.) Asymptotic inequalities for adjoint trigonometric polynomials.
- Bobee, N. 5177: Certaines principes dans la théorie du potentiel sur des variétés riemanniennes.
- Bobroff, D. L. 2150: (with Haus, H. A. and Klüver, J. W.) On the small signal power theorem of electron beams.
- Bobrov, A. A. 268: A criterion for the weak convergence of a sequence of monotone functions.
- Bobarova, I. V. 5361: The asymptotic behavior of solutions of a problem with free boundary for the heat equation.
- Boccia, Serafino. 129: Su alcune matrici di cambiamento di stato. 130: Matrici di dissipazione; coordinamenti di Kronecker.
- Bochner, S. 808: Subordination of non-Gaussian stochastic processes. 2816: A new approach to almost periodicity. 6690: Potential-theoretic approach to analytic Bohr almost periodic functions in half-planes. 3831: (with Gunning, R. C.) Infinite linear pseudo-groups of transformations.
- Bočvar, D. A. 30: Antinomies based on sets of definitions of predicates, each individually consistent.
- Bohdančuk, V. G. 3557: Automata and events.
- Boehme, T. K. 1711: Concerning convolution on the half-line. 1712: Operational calculus and the finite part of divergent integrals.
- Boen, J. R. 3778: On p -groups of class three generated by three elements.
- Boerner, Hermann. 6272: ★Representations of groups with special consideration for the needs of modern physics.
- Boersma, J. 3941: On the computation of Lommel's functions of two variables.
- Bofinger, Eve. 1986: (with Bofinger, V. J.) A runs test for sequences of random digits.
- Bofinger, V. J. 1986: (with Bofinger, Eve) A runs test for sequences of random digits.
- Bogačeva, A. A. 5839: (with Ladyzhenskii, M. D.) One self-similar solution to the magnetohydrodynamic equations.
- Bogacheva, A. A. = Bogačeva, A. A.
- Bogdanoff, J. L. 926: (with Kozin, F.) Moments of the output of linear random systems. 4374: (with Kozin, Frank, co-editor) ★Proceedings of the First Symposium on Engineering Applications of Random Function Theory and Probability. 3276: (with Goldberg, J. E. and Marcus, L.) Linear vibration of a pinned rotating blade.
- Bogdanov, Ju. S. 2553: On a function which assumes all intermediate values.
- Bogdan-Teodorescu, Gabriela. 2745: Problème du type Cauchy concernant une équation aux dérivées partielles du quatrième ordre. 4620: On the characteristics of a system of partial differential equations.
- Bögel, Karl. 3833: Über die mehrdimensionale Differentiation.
- Bogoliubov, N. N. = Bogoliubov, N. N.
- Bogoliubov, Ju. I. 5780: On the nomographability of equations in several variables.
- Bogoliubov, N. N. 6532: (with Mitropolsky, Yu. A.) The method of integral manifolds in nonlinear mechanics.
- Bogoliubov, N. N., Jr. 1582: (with Sadovnikov, B. I.) Periodic solutions of differential equations of the n -th order with a small parameter.
- Bogul, A. A. 1047: Finite transformations of a representation of the Lorentz group for spin 0 and 1. 229: (with Fedorov, F. I.) An invariant expression for a Lorentz matrix transforming one vector into another. 3488: (with Fedorov, F. I.) On the transformation of four-dimensional vectors.
- Boh, Ivan. 3574: A study in Burleigh: Tractatus de regulis generalibus consequentiarum.
- Boisvert, Louis-Mozart. 5228: (with Bigot, Charles and Gille, Jean-Charles) À propos du phénomène du saut dans les réponses en fréquences de systèmes non linéaires.
- Bojanić, Ranko. 4044: (with Bergman, Stefan) Application of integral operators to the theory of partial differential equations with singular coefficients.
- Bokstein, M. F. 3052: Equivalence of various definitions of homology in topology. 3758: On splitting in Künneth's formula.
- Bol, G. 2959: Über Strahlenkongruenzen und ihre Regelflächen.
- Boley, Bruno A. 4642: Upper and lower bounds for the solution of a melting problem. 4570: (with Tolins, I. S.) Transient coupled thermoelastic boundary value problems in the half-space.
- Bolker, Ethan D. 2503: Inverse limits of solvable groups.
- Bollini, C. G. 1081: On the equivalence between pseudo-scalar and pseudo-vector couplings.
- Bollobás, Béla. 3036: (with Erdős, Pál) Extremal problems in graph theory.
- Bolotin, A. S. 6347: (with Sokolov, E. I.) A study of a singular integral.
- Bolsterli, M. 2191: (with Kromminga, A. J.) Perturbation theory of many-boson systems.
- Bolt, Beverley. 235: On the Clifford collineation, transform and similarity groups. III. Generators and involutions.
- Boltjanski, V. = Boltjanskii, V. G.
- Boltjanskii, V. G. 3026: On imbeddings of polyhedra into Euclidean spaces. 4315: Topological semifields and their applications.
- Bomberger, Earl E. 3529: Optimal inventory depletion policies.
- Bombieri, Enrico. 299: I raggi singolari delle serie di potenze e le variazioni di segno dei coefficienti. 3646: Un principio generale della Geometria dei Numeri e sue applicazioni ai problemi non omogenei. 4972: Sulla dimostrazione di C. L. Siegel del teorema fondamentale di Minkowski nella geometria dei numeri.
- Bonazzola, S. 1193: Interpretazione operativa delle grandezze standard in relatività generale.
- Bondarenko, P. S. 383: On the interval of existence of the solution of a system of ordinary differential equations. 902: New method for the numerical integration of ordinary differential equations. 3211: On the stability of computation algorithms for the approximate solution of boundary-value problems for differential equations by the method of finite differences.
- Bondareva, O. N. 7456: Kernel theory in n -person games.
- Bondi, H. 4793: (with van der Burg, M. G. J. and Motzner, A. W. K.) Gravitational waves in general relativity. VII. Waves from axisymmetric isolated systems.
- Bondi, I. L. 6351: A property of A -integrable functions.

- Bonera, P. 4228: La geometria proiettiva nei sistemi diottici.
- Bonsall, F. F. 615: Locally compact semi-algebras.
- Boone, William W. 3761: Partial results regarding word problems and recursively enumerable degrees of unsolvability.
- Booth, Theodore M. 3223: The vertex-frame method for obtaining minimal proposition-letter formulas.
- Boothby, W. M. 4284: (with Kobayashi, Shoshichi and Wang, H. C.) A note on mappings and automorphisms of almost complex manifolds.
- Bopp, Fritz. 4672: Zur Quantenmechanik relativistischer Teilchen bei gegebenem Hilbert-Raum.
- Borel, Armand. 3823: Compact Clifford-Klein forms of symmetric spaces. 5094: Sous-groupes commutatifs et torsion des groupes de Lie compacts connexes. 6713: Ensembles fondamentaux pour les groupes arithmétiques. 6990: (with Haefliger, André) La classe d'homologie fondamentale d'un espace analytique. 5061: (with Harish-Chandra) Arithmetic subgroups of algebraic groups. 3688: (with Remmert, R.) Über kompakte homogene Kählersche Mannigfaltigkeiten.
- Borg, S. F. 3268: A specialized nonlinear thin plate inextensional bending theory.
- Bergers, A. 6051: Quelques propositions arithmétiques équivalentes au principe de l'induction complète.
- Borges, Rudolf. 4452: Subjektivtrennscharfe Konfidenzbereiche.
- Borisovič, Ju. G. 2683: Application of the weak topology to problems of periodic solutions of operator equations. 3980: Periodic solutions of equations in differential operators with a small parameter multiplying the derivative.
- Borelačev, N. M. 7235: General solution of a dynamic problem for a visco-elastic half-space.
- Borevkov, A. A. 1558: Some theorems on non-lattice random wandering. 3099: New limit theorems in boundary-value problems for sums of independent terms.
- Borodin, K. V. 2778: New proof of a theorem of Littlewood for regular Stolz paths.
- Bors, D. 1828: (with Roman, A.) Sur une variété unidimensionnelle nonholonomie.
- Borsuk, K. 3620: On a family of 2-dimensional AR-sets. 5543: Concerning the dimension of ANR-sets. 638: (with Szmielow, Wanda) ★ Foundations of geometry: Euclidean and Bolyai-Lobachevskian geometry; projective geometry.
- Bordvka, O. 3981: Sur la structure de l'ensemble des transformations différentielles linéaires complètes du second ordre.
- Bosbach, Bruno. 3798: Charakterisierungen von Halbgruppen mit eindeutigen Halbprimfaktorzerlegungen. 3799: Charakterisierungen von Halbgruppen mit eindeutigen Halbprimfaktorzerlegungen unter Berücksichtigung der Verbände und Ringe.
- Bosco, B. 3434: A dispersive formulation of the Levinson theorem.
- Bose, R. C. 5698: On some connections between the design of experiments and information theory. 2418: (with Chowla, S.) Theorems in the additive theory of numbers. 1979: (with Nair, K. R.) Resolvable incomplete block designs with two replications. 3224: (with Nelson, R. J.) A sorting problem.
- Boseck, Helmut. 232: On representations of the modular group. 5074: Darstellungen von Matrizengruppen über topologischen Körpern.
- Botez, Mihail. 2913: Sur une nouvelle manière de représenter l'espace linéaire.
- Bott, R. 4296: (with Berger, M.) Sur les variétés à courbure strictement positive.
- Bottema, O. 2929: On triangles in the hyperbolic plane for which one of the escribed circles is a horocycle. 4219: On certain remarkable triangles.
- Bottino, A. 1690: (with Longoni, A. M. and Regge, T.) Potential scattering for complex energy and angular momentum.
- Bouchout, V. Van = Van Bouchout, V.
- Boudreau, P. E. 4424: (with Griffin, J. S., Jr. and Kac, M.) A discrete queueuing problem with variable service times.
- Bouix, M. 595: La fonction de Heaviside pour un domaine et l'analyse vectorielle pour les fonctions discontinues. 1753: La fonction de Heaviside et la distribution de Dirac dans le plan complexe.
- Bouligand, Georges. 1709b: Observations sur la note de M. Marcel Cox.
- Bourbaki, N. 6918: ★ Éléments de mathématique. Fasc. X. Première partie. Livre III: Topologie générale. Chapitre 10: Espaces fonctionnels.
- Bourdy, Clotilde. 3351: Calcul matriciel et optique paraxiale: application à l'optique ophthalmique.
- Bourion, Georges. 1432: Sur un théorème de Szegö.
- Bourne, S. 2899: On positive Banach halfalgebras without identity.
- Bourret, R. C. 2276: Stochastically perturbed fields, with applications to wave propagation in random media.
- Boursin, Jean-Louis. 2383: Étude d'une relation ternaire en vue d'application au calcul des probabilités. 5609: Détermination des probabilités limites de certaines relations préordonnées.
- Bousquet, Paul. 1010: Étude de la réflexion et de la transmission de la lumière par un réseau transparent à profil sinusoïdal. Extension au cas d'une surface irrégulière. 5550: Diffraction des ondes électromagnétiques par un réseau à facettes planes.
- Bouvier, Pierre B. 1716: Résolution d'équations intégrales d'un type particulier.
- Bowman, John Judson. 5873: (with Harris, Joseph David) Green's distributions and the Cauchy problem for the multi-mass Klein-Gordon operator. 6614: (with Harris, Joseph David) Green's distributions and the Cauchy problem for the iterated Klein-Gordon operator. 7322: (with Harris, Joseph David) Green's distributions associated with the operator $[\square^m - (-\mu^2)^m]^{\dagger}$.
- Box, G. E. P. 7109: The effects of errors in the factor levels and experimental design.
- Boyer, B. J. 6647: (with Holder, L. I.) A generalization of absolute Rieszian summability.
- Boyer, R. H. 2753: Discrete Bessel functions. 4071: On some solutions of a non-linear diffusion equation.
- Bradford, J. C. 3632: (with Goffman, Casper) Metric spaces in which Blumberg's theorem holds.
- Bradley, C. J. 5723: (with Altmann, S. L.) A note on the calculation of the matrix elements of the rotation group. 6275: (with Altmann, S. L.) On the symmetries of spherical harmonics.
- Braemer, J. M. 3745: Produits tensoriels de modules.
- Bragard, Lucien. 5972: Les composantes de courbure relatives au géoïde exprimées en fonction des anomalies de pesanteur.
- Bragg, L. R. 4481: (with Leach, E. B.) The remainder terms in numerical integration formulas.
- Bragg, Lincoln E. 5783: (with Coleman, Bernard D.) On strain energy functions for isotropic elastic materials.
- Brainerd, Barron. 1766: Sur la structure des opérateurs moyennes. 6095: On a class of Φ -algebras with zero dimensional structure spaces.
- Bramble, J. H. 7157: (with Hubbard, B. E.) On the formulation of finite difference analogues of the Dirichlet problem for Poisson's equation. 7158: (with Hubbard, B. E.) A priori bounds on the discretization error in the numerical solution of the Dirichlet problem. 933: (with Payne, L. E.) Some uniqueness theorems in the theory of elasticity. 4026: (with Payne, L. E.) Bounds in the Neumann problem for second order uniformly elliptic operators.
- Brameret, Marie-Paule. 140: Treillis d'idéaux et structure d'anneaux. 224: Sous-groupes complètement invariants d'un groupe abélien. 3778: Sur les groupes p -réduits.
- Brand, Louis. 1641: Binomial expansions in factorial powers.
- Brandt, Ach. 1909: A generalization of a combinatorial theorem of Sparre Andersen about sums of random variables.
- de Branges, Louis. 583: Some Hilbert spaces of entire functions. IV. 584: Entire functions and integral transforms. 585: Symmetry in spaces of entire functions. 2866: Some Hilbert spaces of analytic functions. I. 5166: A comparison theorem for spaces of entire functions. 6413: Homogeneous and periodic spaces of entire functions. 6780: Invariant subspaces of nonselfadjoint transformations.
- Bransden, B. H. 4693: (with Moffat, J. W.) Pion-pion scattering in the two-pion exchange approximation.
- Brauer, Alfred. 6113: (with Shockley, James E.) On a problem of Frobenius.
- Brauer, Fred. 397: Bounds for solutions of ordinary differential equations.

- Brauer, George. 2772: Convolution of sequences. 5011: Remarks on a paper of Rhoades.
- Brauer, Richard. 2492: On finite groups and their characters. 3765: On some conjectures concerning finite simple groups.
- Braverman, D. 1987: (with Abramson, N.) Learning to recognize patterns in a random environment.
- Bredihin, B. M. 92: The remainder term in the asymptotic formula for $v_0(x)$. 246: Elementary solutions of inverse problems on bases of free semigroups. 1293: Sharpening of the bound for the remainder term in Hardy-Littlewood type problems. 2419: Applications of the dispersion method in binary additive problems. 6149: Binary additive problems of indeterminate type. I. 6150: On power densities of certain subsets of free semigroups.
- Bredihin, E. A. 534: Simultaneous approximation of almost periodic functions and their derivatives. 1096: Some problems in summation of Fourier series of almost periodic functions. 2786: On a theorem of S. N. Bernstein on best approximation of continuous functions by entire functions of given degree.
- Bredon, G. E. 251: (with Raymond, Frank and Williams, R. F.) p -adic groups of transformations.
- Breiman, Leo. 2326: The Poisson tendency in traffic distribution.
- Breitenlohner, P. 4710: Über höhere Symmetrien der starken Wechselwirkung.
- Brenig, W. 5903: Long range correlations and photo effect in nuclei.
- Brenner, C. 7129: (with Brenner, J. L.) The popularity of small integers as primitive roots.
- Brenner, J. L. 2453: g -circulant matrices over a field of prime characteristic. 7129: (with Brenner, C.) The popularity of small integers as primitive roots.
- Bressan, Aldo. 5944: Qualche conseguenza dei postulati comuni alla cinematica classica e a quella relativistica.
- Bressan, Rosanna. 5544: A proposito di un teorema di Bolza.
- Brotherton, F. P. 3309: The motion of rigid particles in a shear flow at low Reynolds number. 4582: Slow viscous motion round a cylinder in a simple shear.
- Brick, Donald B. 1221: (with Zames, George) Bayes' optimum filters derived using Wiener canonical forms.
- Bridge, John F. 3939: (with Angrist, Stanley W.) An extended table of roots of $J_n'(x)Y_n''(\beta x) - J_n''(\beta x)Y_n'(x) = 0$.
- Bridgland, T. F., Jr. 2679: Asymptotic behavior of the solutions of nonlinear differential equations.
- Briggs, F. E. A. 7437: A dual labelling method for the Hitchcock problem.
- Briggs, W. E. 5144: Some Abelian results for Dirichlet series. 6145: Prime-like sequences generated by a sieve process.
- Brill, Dieter. 1176: (with Bertotti, Bruno and Krotkov, Robert) Experiments on gravitation.
- Brilla, J. 4538: Mixed boundary conditions of an infinite anisotropic half-plane.
- Brillhart, John. 6100: Concerning the numbers $2^{2p} + 1$, p prime.
- Brillinger, David R. 1960: A note on the re-use of samples. 5791: Necessary and sufficient conditions for a statistical problem to be invariant under a Lie group.
- Brialouin, L. 7188: Poincaré's theorem and uncertainty in classical mechanics.
- Briones, Florentino. 2782: Une nouvelle méthode pour calculer des alternantes au sens de Tchebycheff.
- Brittin, Wesley E. 1134: (with Chappell, Willard R.) The Wigner distribution function and second quantization in phase space.
- Brjuno, A. D. 1553: Asymptotic behavior of solutions of systems of differential equations.
- Brod, S. M. 1946: A one-line system with τ -waiting in the case of an incoming Erlang flow.
- Brodkey, Jerald S. 200: A note on finite groups with an abelian Sylow group.
- Brodskii, M. S. 6778: Triangular representation of some operators with completely continuous imaginary part. 6779: Unicellularity of real Volterra operators.
- Bronstein, B. S. 86: The solution of equations of Riemann type in a class of Dirichlet series.
- Browder, Andrew. 1770: (with Wermer, John) Some algebras of functions on an arc.
- Browder, Felix E. 257: On the "edge of the wedge" theorem. 468: On the spectral theory of strongly elliptic differential operators. 469: On analyticity and partial differential equations. 470: On approximation by solutions of partial differential equations. 4354: On the fixed point index for continuous mappings of locally connected spaces. 5282: A priori estimates for solutions of elliptic boundary-value problems. III. 5283: On non-linear wave equations.
- Browder, William. 765: Remark on the Poincaré duality theorem. 3061: On differential Hopf algebras. 5580: Fiberings of spheres and H -spaces which are rational homology spheres. 5579: (with Namioka, Isaac) H -spaces with commutative homology rings. 1891: (with Spanier, Edwin) H -spaces and duality.
- Brown, Arlen. 6815: Entire functions on Banach algebras.
- Brown, Arthur B. 786: (with Abian, Alexander) Fixed points of continuous mappings into Euclidean n -space. 787: (with Abian, Alexander) Fixed points and covering under continuous mappings of a spherical shell. 3032: (with Abian, Alexander) A fixed point theorem for the closed 2-cell. 4351: (with Cairns, S. S.) Strengthening of Sperner's lemma applied to homology theory.
- Brown, Byron Wm., Jr. 3332: (with Johnson, Eugene A.) The Spearman estimator for serial dilution assays.
- Brown, E. H. 3290: The minimum weight design of closed shells of revolution.
- Brown, Edgar H., Jr. 4369: (with Peterson, Franklin P.) Relations between Stiefel-Whitney classes of manifolds.
- Brown, G. E. 2236: (with Thouless, D. J.) Relation between many-body and single-particle aspects in nuclei.
- Brown, J. L., Jr. 3546: Asymmetric non-mean-square error criteria. 6147: A generalization of semi-completeness for integer sequences.
- Brown, Leon. 332: (with Shields, Allen and Zeller, Karl) On absolutely convergent exponential sums.
- Brown, Morton. 3028: (with Gluck, Herman) Stable structures on manifolds.
- Brown, Robert G. 876: (with Meyer, Richard F.) The fundamental theorem of exponential smoothing.
- Brown, Thomas A. 285: Entropy and conjugacy.
- Brownell, F. H. 1055: A note on Cook's wave-matrix theorem. 4717: Perturbation theory and an atomic transition model. 6775: Explicit perturbation formulas and convergence theorems. 2748: (with Bailey, P. B.) Removal of the log factor in the asymptotic estimates of polygonal membrane eigenvalues.
- Bruck, R. H. 2536: An open question concerning Moufang loops.
- Bruckner, A. M. 6326: (with Ostrow, E.) Some function classes related to the class of convex functions.
- Brudnyi, Ju. A. 4096: Generalization of a theorem of A. F. Timan. 4102: (with Kotljarev, B. D.) The order of growth of ϵ -entropy on certain compact classes of functions.
- Bruhat, Yvonne. 1179: The Cauchy problem.
- de Bruijn, N. G. 4079: A converse of Cauchy's fundamental sequence theorem. 4977: On the number of integers $\leq x$ whose prime factors divide n . 6794: On unitary equivalence of unitary dilations of contractions in Hilbert space.
- Bruni, M. 725: Su alcuni sistemi di sottospazi di uno spazio hermitiano.
- Brunk, H. D. 4599: On an extension of the concept conditional expectation.
- Bruns, Günter. 1270a: Darstellungen und Erweiterungen geordneter Mengen. I. 1270b: Darstellungen und Erweiterungen geordneter Mengen. II.
- Bruschi, M. L. 169: (with Villamayor, O. E.) Formulation of the theorem of acyclic modules.
- Bruinskaja, N. N. 5212: Qualitative integration of a system of n differential equations in a region containing a singular point and a limit cycle.
- Bryant, G. H. 7310: (with Franklin, R. N.) The scattering of a plane wave by a bounded plasma.
- Bryn, Finn. 4831: Optimum signal processing of three-dimensional arrays operating on Gaussian signals and noise.
- Bryson, A. E. 4822: (with Denham, W. F.) A steepest-ascent method for solving optimum programming problems.

- Braeński, J. 1313: On differentially integral elements.
- Brażowski, Janusz A. 3552: A survey of regular expressions and their applications.
- Budzze, A. I. 6672: Approximation and modulus of smoothness of two conjugate functions of two variables.
- Buchal, Robert N. 2752: The approach to steady state of solutions of exterior boundary value problems for the wave equation.
- Buchdahl, H. A. 712: On certain identities involving basic spinors and curvature spinors. 3383: On the compatibility of relativistic wave equations in Riemann spaces. 4675: Heuristic approximations to the equation of state and energy function of a perfect Fermi-Dirac gas for arbitrary temperature and degeneracy. 7299: Optical aberration coefficients. X. Theory of concentric optical systems. 7300: Optical aberration coefficients. XI. Theory of a concentric corrector.
- Buchsbaum, David. 6226: (with Rim, Dock S.) A generalized Kozul complex.
- Budach, L. 3743: (with Groll, H.) Arithmetisch-topologische Untersuchungen an Ringen mit eingeschränkten Minimalbedingungen.
- Budak, B. M. 2027: On homogeneous differential-difference schemes of second-order accuracy for parabolic and hyperbolic equations with discontinuous coefficients. 5741: The straight-line method for certain quasi-linear boundary-value problems of parabolic type.
- Budd, Herbert. 1163: Chamber's solution of the Boltzmann equation.
- Budiansky, Bernard. 4529: (with Wu, Tai Te) Transfer of load to a sheet from a rivet-attached stiffener. 953: (with Hashin, Zvi and Sanders, J. Lyell, Jr.) The stress field of a slipped crystal and the early plastic behavior of polycrystalline materials.
- Buerger, Martin J. 1264: The algebra and geometry of convolutions.
- Buff, Frank P. 4758: The theory of capillarity.
- Bugrov, Ja. S. 6625: Differential properties of the solutions of certain higher-order differential equations.
- Bühlmann, Hans. 6064: (with Huber, Peter J.) Pairwise comparison and ranking in tournaments.
- Buhvalov, A. M. 4500: Nomographing equations in three variables of genus I.
- Bulah, B. M. 2110: Some questions concerning the theory of conical flow. 4599: Supersonic flow around an inclined circular cone.
- Bulakh, B. M. = Bulah, B. M.
- Bulă, Maria. 4286: Sur un réseau particulier dans un espace à connexion affine à deux dimensions.
- Bulavskii, V. A. 2228: An iterative method of solving a general problem in linear programming.
- Bulirsch, Roland. 1538: Existenznachweis und Approximation von Eigenwerten und Eigenfunktionen mit Hilfe eines Differenzenverfahrens bei singulären Sturm-Liouville'schen Randwertaufgaben.
- Buljanica, D. S. 2271: (with Svetlov, Ju. E.) Properties of the Bloch and Wannier functions.
- Bulirich, Kurt. 7327: (with Giese, Richard-Heinrich; de Bary, Elisabeth and Vinnemann, Claus Dieter) Tabellen der Streufunktionen $i_1(\varphi)$, $i_2(\varphi)$ und des Streuquerschnittes $K(\varepsilon, m)$ homogener Kugelchen nach der Mie'schen Theorie.
- Bunke, Olaf. 868: Eine allgemeine Klasse von Intervallschätzungen.
- Burago, Ju. D. 2630: (with Maz'ja, V. G. and Sapožnikova, V. D.) On the potential of a double layer for non-regular domains.
- Burcev, P. 2280: Non-gravitational force effect in general theory of relativity.
- van der Burg, M. G. J. 4793: (with Bondi, H. and Metzner, A. W. K.) Gravitational waves in general relativity. VII. Waves from axisymmetric isolated systems.
- Burgers, J. M. 918: On the emergence of patterns of order.
- Burgess, D. A. 6133: On character sums and L -series. II. 6134: On Dirichlet characters of polynomials. 6135: A note on the distribution of residues and non-residues.
- Burgoyne, F. D. 5196: Polynomial approximations to $I_0(x)$, $I_1(x)$ and related functions.
- Burkholder, D. L. 865: Successive conditional expectations of an integrable function. 5668: (with Wijerman, R. A.) Optimum properties and admissibility of sequential tests.
- Burkill, H. 6692: Sums of trigonometric series.
- Burks, Arthur W. 4902: (with Wright, Jesse B.) Sequence generators, graphs, and formal languages.
- Burlak, J. 5384: A pair of dual integral equations occurring in diffraction theory. 6716: On the solution of certain dual integral equations.
- Burnat, M. 2105: The Cauchy problem for simple waves in the compressible flow. 2750: A study of the eigenfunctions of the continuous spectrum of the operator $-\Delta u + g(x_1, x_2, x_3)u$, where $g(x_1, x_2, x_3)$ has a singularity. 6476: Die Inertions-eigenschaften des Spektrums für den Operator $-u'' + g(x)$ mit periodischen $g(x)$.
- Burniat, Pol. 2931: Sur certaines variétés algébriques à 3 dimensions. I. 5463: Variété algébrique V_3 où $P_1 = P_2 = 0$ et P_3 quelconque.
- Burov, V. N. 4099: Some effective methods of solving the Chebyshev problem on best approximation.
- Burr, E. J. 4461: Distribution of the two-sample Cramér-von Mises criterion for small equal samples. 881: (with Cane, Gwenda) Longest run of consecutive observations having a specified attribute.
- Burridge, R. 992: The reflexion of high-frequency sound in a liquid sphere.
- Buschman, R. G. 556: A substitution relation for integral transforms. 1704: An inversion integral.
- Busemann, Herbert. 713: Geometries in which the planes minimize area. 2999: The theory of parallels with applications to closed geodesics.
- Bush, Aubrey M. 5363: (with Fielder, Daniel C.) An alternative derivation of the Z -transform.
- Bush, George C. 1385: The embedding theorems of Malcev and Lambek.
- Bush, William B. 2122: The hypersonic approximation for the shock structure of a perfect gas with the Sutherland viscosity law.
- Bushell, P. J. 5210: On the dependence of an eigenvalue on a parameter.
- Bulmanova, G. V. 6885: On a generalization of a conformal transformation of Euclidean 3-space.
- Busulini, Franca. 3668: Alcuni problemi di analisi diofantea di grado superiore.
- Buti, B. 7283: Relativistic effects on plasma oscillations and two-stream instability. I.
- Butkiewicz, J. 5271: Some properties of the generalized potential and the Green's function for an elliptic equation and an application of them.
- Bukovskii, A. G. 7471: Optimum processes in systems with distributed parameters.
- Buisson, A. T. 43: Relations among generalized Hadamard matrices, relative difference sets, and maximal length linear recurring sequences. 126: Generalized Hadamard matrices.
- Butzer, P. L. 498: The dependence of the solution of the equation of heat conduction upon its initial temperature distribution; asymptotic expansions.
- Buzano, Piero. 691: Su certi sistemi ω^1 di omografie.
- Byckling, Eero. 1136: Classical statistical mechanics of a one-dimensional system of molecules.
- Bykovskii, E. B. 4642: The small-parameter method ("vanishing viscosity") for a system of equations of gas dynamics.
- Bylov, B. F. 2671: Almost reducible systems of differential equations.
- Byrd, Paul F. 6424: Expansion of analytic functions in polynomials associated with Fibonacci numbers.
- Bzech, Ronald C. 3866: On the existence of Stieltjes integrals.
- Cabannes, Henri. 5940: Théorie cinétique de la conductivité thermique et de la viscosité d'un courant ionique.
- Ca, Sui-lin'. 1576: A formula for the Lyapunov function of a system of linear differential equations with constant coefficients and some of its applications.
- Cairns, Stewart S. 4929: Balance scale sorting. 6978: A simple triangulation method for smooth manifolds. 4351: (with Brown, A. B.) Strengthening of Sperner's lemma applied to homology theory.
- Čakalov, Ljubomir. 3370: David Hilbert and his mathematical work.
- Calais, Josette. 243: Propriétés des équivalences principales généralisées.
- Calderón, A. P. 663: Lebesgue spaces of differentiable functions and distributions. 5409: Intermediate spaces and interpolation.
- Caldwell, William V. 6427: Maximal vector spaces of light interior functions.
- Calenko, M. S. 2490: On the foundations of the theory of categories.
- Caligo, Domenico. 7154: Calcolo del minimo autovalore relativo ad una equazione della conduzione del calore in un fluido soggetto a turbolenza.

- Gajuk, Z. B. 5378: On the stability of systems of linear integral equations of Volterra type. 6526: (with Azbelev, N. V. and Hohrjakov, A. Ja.) Theorems on a differential inequality for boundary-value problems.
- Callebaut, D. K. 2263: (with Voslamber, D.) Stability of force-free magnetic fields.
- Calleja, Pedro P. *See* Pi Calleja, Pedro.
- Calogero, Francesco. 5204: Note on the Riccati equation. 4665: (with Barut, A. O.) Singularities in angular momentum of the scattering amplitude for a class of soluble potentials.
- Clăuşoreanu, G. 1805: Sur un système d'invariants d'isotopie. 2941: Sur l'isotopie des courbes fermées. 6868: Sur les classes d'isotopie des noeuds tridimensionnels et leurs invariants.
- Camacho Diaz, A. 1261: A method of measuring marginal propensity for consumption.
- Cameron, Joseph M. 7107: An algorithm for obtaining an orthogonal set of individual degrees of freedom for error.
- Campbell, J. D. 2069: (with Simmons, J. A. and Dorn, J. E.) On the dynamic behavior of a Frank-Read source.
- Candilov, G. I. 576: Compactness conditions in a certain space of Banach type.
- Cane, Gwenda. 881: (with Burr, E. J.) Longest run of consecutive observations having a specified attribute.
- Canel, E. 3466: Ein Beitrag zur Theorie der Quasiteilchen-Näherung des Mehrkörper-Problems.
- Cannon, J. R. 6560: (with Halton, J. H.) The irrotational solution of an elliptic differential equation with an unknown coefficient.
- Cantoni, Lionello. 5467: Due tipi di trasformazioni puntuali fra due spazi che posseggono un'unica congruenza di curve caratteristiche.
- Cantor, D. 3234: (with Estrin, G. and Turn, R.) Logarithmic and exponential function evaluation in a variable structure digital computer. 4509: (with Estrin, G.; Fraenkel, A. S. and Turn, R.) A very high-speed digital number sieve.
- Cantor, Georg. 6024: ★Gesammelte Abhandlungen mathematischer und philosophischer Inhalts. Mit erläuternden Anmerkungen sowie mit Ergänzungen aus dem Briefwechsel Cantor-Dedekind.
- Cantor, R. 3863: (with Eisenberg, M. and Mandelbaum, E. M.) A theorem on Riemann integration.
- Cantrell, J. C. 5551: Almost locally polyhedral 2-spheres in S^3 . 6941: (with Edwards, C. H., Jr.) Almost locally polyhedral curves in Euclidean n -space.
- Canuto, V. 2250: On the internal energy and partition function of a Bose system.
- Cap, F. 7427: (with Gröbner, W. and Leyke, P.) The astronomical n -body problem with time-dependent forces.
- Capella, Alphonse. 2297: Sur le tenseur impulsion-énergie du champ de gravitation.
- zur Capellen, Walther Meyer. *See* Meyer zur Capellen, Walther.
- Caplik, A. V. 4647: Quasi-classical wave function of a system with many degrees of freedom.
- Capps, Richard H. 7354: Prediction of an interaction symmetry from dispersion relations.
- Caprioli, Luigi. 5553: Stabilità ed attenuazione dei modi degeneri nelle guide a pareti assorbenti.
- Capriz, G. 5506: A numerical approach to some problems of continuum mechanics and related questions of stability. 7295: Sui casi di "incompatibilità" tra l'elastostatica classica e la teoria delle deformazioni elastiche finite.
- Carafoli, Ele. 4578: Theoretical considerations on the lateral fluid jets. 5530: (with Mateescu, Dan) The wing-conical body interference in high-order conical flows.
- Caraman, P. 322: Notions introductoires dans la théorie des représentations quasi-conformes tridimensionnelles.
- Carathéodory, C. 6340: ★Algebraic theory of measure and integration.
- Cardamone, Luigi. 4137: Equazioni integrali singolari con dati analitici. 3875: (with Baiada, E.) L'uguaglianza nella relazione triangolare di Steiner.
- Cargo, G. T. 2616: The segmental variation of Blaschke products. 5110: (with Shisha, O.) Bounds on ratios of means.
- Carin, V. S. 1238: (with Mal'cev, A. I.) S. N. Černikov (on his fiftieth birthday).
- Carlitz, Leonard. 366: Some multiplication formulas. 1300: A note on permutations in an arbitrary field. 1508: The product of two ultraspherical polynomials. 1515: Characterizations of the Krawtchouk polynomials. 1516: A characterization of the Laguerre polynomials. 1517: The product of several Hermite or Laguerre polynomials. 1666: An interpolation problem. 2431: Some identities over a finite field. 2449: Classes of pairs of commuting matrices over a finite field. 3623: Single variable Bell polynomials. 3647: An extension of the Fermat theorem. 3947: Some formulas of E. Feldheim. 4346: The number of coloured graphs. 4951: A note on the generalized Wilson's theorem. 5317: A special functional equation. 6063: Some generating functions. 6143: A problem in partitions. 6153: Solvability of certain equations in a finite field. 48: (with Riordan, John) The divided central differences of zero.
- Carlson, David. 6184: (with Schneider, Hans) Inertia theorems for matrices: the semi-definite case. 6185: (with Schneider, Hans) Inertia theorems for matrices: the semidefinite case.
- Carmago, Manuel Castaños. *See* Castaños Carmago, Manuel.
- Carpenter, Lloyd. 7425: (with Musen, Peter) On the general planetary perturbations in rectangular coordinates.
- Carranza, Roque G. 4453: (with Frediani, Luis M.) ★Applications of modern algebra to statistical inference.
- Carroll, Robert. 4209: Sur le problème de Cauchy singulier. 5284: On the singular Cauchy problem.
- Carlaw, H. S. 6705: (with Jaeger, J. C.) ★Operational methods in applied mathematics.
- Cartan, Henri. 5138: ★Théorie élémentaire des fonctions analytiques d'une ou plusieurs variables complexes.
- Carter, Roger W. 221: Normal complements of nilpotent self-normalizing subgroups.
- Cartier, P. 267: Remarks on "Lie algebra cohomology and the generalized Borel-Weil theorem", by B. Kostant. 3828: On H. Weyl's character formula. 6172: Groupes algébriques et groupes formels.
- de Carvalho Dias, Lindolpho. 2969: ★Exterior differential forms and their applications to dynamics.
- Case, K. M. 5941: (with Aamodt, R. E.) Useful identities for half-space problems in linear transport theory. 2269: (with Aamodt, R.; Rosenbaum, M. and Zweifel, P. F.) Quasi-classical treatment of neutron scattering.
- Cashmore, D. J. 4773: Integrable transformations between moving observers.
- Casimir, H. B. G. 2258: Über die statistische Begründung des Nernstschens Wärmetheorems.
- Cassels, J. W. S. 2398: Über die Äquivalenz 2-adischer quadratischer Formen. 3881: Footnote to a note of Davenport and Heilbronn. 6171: Arithmetic on curves of genus 1. V. Two counter-examples.
- Castaldo, Domenico. 6188: Una classe di rappresentazioni canoniche delle matrici di ordine n .
- Castaños, Manuel = Castaños Carmago, Manuel.
- Castaños Carmago, Manuel. 4639: Entropy and uncertainty.
- Castoldi, Luigi. 4807: On persistence of weather as a stochastic process.
- Caswell, B. 7277: (with Schwarz, W. H.) The creeping motion of a non-Newtonian fluid past a sphere.
- Cater, S. 5017: Scalar valued mappings of square matrices.
- Cattabianchi, Luigi Tanzi. *See* Tanzi Cattabianchi, Luigi.
- Cattaneo, Carlo. 4782: Sulla validità del principio di Mach in relatività generale.
- Cattaneo-Gasparini, Ida. 6903: Dérivée covariante "liée" dans une V_{n+1} riemannienne à structure presque produit.
- Caussinus, Henri. 851: Sur un problème d'analyse de la corrélation de deux caractères qualitatifs.
- Cavallaro, Vincenzo G. 2921: Segmenti torricelliani. Angolo prismatico. Ellisse di Lemoine. Triangolo (K) etc.
- Cazacu, C. = Andreian Cazacu, Cabiria.
- Cazacu, Cabiria Andreian. *See* Andreian Cazacu, Cabiria.
- Cecconi, Jaures P. 6329: Sulle funzioni di molteplicità relativa ed il teorema di Gauss-Green.
- Cech, Eduard. 4260: Sulla differenziabilità del trihedro di Frenet. 4261: Classe différentielle des courbes. Cercles osculatrices et sphères osculatrices.

- Cell, John W. 1690: (with Harrington, Walter J.) A set of square-wave functions orthogonal and complete in $L_2(0, 2)$. 1691: (with Harrington, Walter J.) Repeated integrals of the square-wave functions and related sets of orthogonal functions.
- Čelpanov, I. B. 3983: Vibration of a second order system with a randomly varying parameter.
- Čen, Vén-juan' = Chen, Weng-yuan.
- Cenacchi, Anna. 5224: Sulla integrazione approssimata della equazione di van der Pol.
- Čeneov, N. N. 837: A bound for an unknown distribution density in terms of the observations.
- Cenki, Bohumil. 2984: Homographies conservant l'élément du troisième ordre d'une surface dans un espace à connexion projective. 6900: La normale d'une surface dans l'espace à connexion projective.
- Cepijnas, V. L. 3467: Equations of correlation functions for a system of short-range-interaction Coulomb particles in equilibrium.
- Cercignani, Carlo. 2121: Elementary solutions of the linearized gas-dynamics Boltzmann equation and their application to the slip-flow problem.
- Cerdak, B. M. 411: Some sufficiency criteria for asymptotic stability of the solutions of a linear second-order differential equation.
- Čerepanov, G. P. 5785: Solution of a linear boundary value problem of Riemann for two functions and its application to certain mixed problems in the plane theory of elasticity.
- Cereteli, O. D. 538: On the indefinite A -integral and Fourier series (4). 2577: On the indefinite A -integral and on Fourier series (4).
- Čerkas, L. A. 1587: On semi-stable cycles of a plane autonomous system.
- Čerkasov, I. D. 3127: Transformation of a diffusion process of a special type into a Wiener process.
- Čerkasov, L. V. 2088: Waves on the surface of a liquid. 2089: On the development of waves on the free surface and on the surface separating two fluids under the action of traveling pressures. 7251: Progress of waves on a flow surface under the action of periodic stresses.
- Cerkovnikov, Ju. A. 3463: The theory of a perfect Bose gas at a temperature different from zero.
- Černel, N. I. 2992: On infinitesimal bendings of the slipping of spherical segments relative to an arbitrary plane.
- Černikov, N. A. 4744: Kinetic equation for a relativistic gas in an arbitrary gravitational field. 4745: Flux vector and mass tensor of a relativistic ideal gas. 4746: Relativistic Maxwell-Boltzmann distribution and the integral form of the conservation laws. 3428: (with Logunov, A. A. and Todorov, I. T.) Generalization of Symanzik's theorem on the majorization of Feynman graphs.
- Černikov, S. N. 211: Local finiteness conditions for single-layer p -groups.
- Černikov, V. V. 6387: (with Aleksandrov, I. A.) Extremal properties of star-like mappings.
- Černikova, N. V. 1648: On the theory of power series.
- Černina, V. S. 7217: On the system of differential equations of equilibrium of shells of revolution under bending loads.
- Černous'ko, F. L. 6540: (with Krylov, I. A.) The method of successive approximations for solving optimal control problems.
- Černov, V. M. 5368: Some questions of the operational calculus concerning the two-sided, two-dimensional Laplace-Carson transform. 6703: Some properties of the two-sided double Laplace transform.
- Černylenko, V. M. 681: Generalization of a theorem of Ja. S. Dubnov.
- Cerulli, F. 791: Approximations to random flight functions in one, two, and three dimensions.
- Cesari, Lamberto. 293: Quasi-additive set functions and the concept of integral over a variety. 293: Extension problem for quasi-additive set functions and Radon-Nikodym derivatives. 5292: Periodic solutions of hyperbolic partial differential equations.
- Ceschino, F. 4487: Une méthode de mise en œuvre des formules d'Obrechkoff pour l'intégration des équations différentielles. 7162: (with Bard, A.; Kuntzmann, J. and Laurent, P.-J.) Formules de base de la méthode de Runge-Kutta.
- Cestari, Riccardo. 6110: Grado relativo di un fattoriale e di un coefficiente binomiale rispetto ad un primo.
- Cetlin, M. L. 3531: Remark on a finite-automaton game with an opponent using a mixed strategy.
- Chacon, R. V. 237: Operator averages. 2883: Identification of the limit of operator averages. 5134: An ergodic theorem for operators satisfying norm conditions.
- Chadwick, P. 5793: Compression of a spherical shell of work-hardening material.
- Chae, Younki. 710: Projective motions in non-Riemannian K^* -spaces. I.
- Chakerian, G. D. 5477: On the diameter and triameter of a convex body.
- Chakraborty, B. B. 5845: Flow of a conducting fluid past a rotating magnetized sphere.
- Chalk, J. H. H. 3656: The number of solutions of congruences in incomplete residue systems.
- Challifour, J. 7351: (with Eden, R. J.) Regge surfaces and singularities in a relativistic theory.
- Chamberlain, Erling William. 6470: Families of principal solutions of ordinary differential equations.
- Chambers, Ll. G. 3283: Sommerfeld type diffraction problems for a plate. 7389: Space time in the Hund gravitational theory.
- Chambers, W. G. 7385: A note on the mathematical properties of the Boltzmann equation.
- Chanda, K. C. 872: On bounds of serial correlations. 7103: On the efficiency of two-sample Mann-Whitney test for discrete populations.
- Chandra, Jagdish. 3992: On boundedness and stability of non-linear systems of differential inequalities.
- Chandrasekhar, S. 2311: On the point of bifurcation along the sequence of the Jacobi ellipsoids. 2309: (with Lebovitz, Norman R.) On superpotentials in the theory of Newtonian gravitation. II. Tensors of higher rank. 2310: (with Lebovitz, Norman R.) The potentials and the superpotentials of homogeneous ellipsoids.
- Chandra Shekhar, Kaushik. 4789: Solutions of Einstein's field equations I and II (singular cases).
- Chang, Chieh C. 2093: (with Atabek, H. Bülent) Flow between two coaxial tubes near the entry. 198: (with Ehrenfeucht, A.) A characterization of abelian groups of automorphisms of a simply ordering relation. 59: (with Horn, A.) On the representation of a α -complete lattice. 3606: (with Keisler, H. Jerome) Applications of ultra-products of pairs of cardinals to the theory of models.
- Chang, Jen-wei. 1229: A problem in the synthesis of optimal systems using maximum principle.
- Chang, Paul K. 3299: Analytical study of a forward moving annular jet.
- Chanut, Augustine. 7149: Calcul numérique des intégrales doubles.
- Chao, Chong-Yun. 1874: On a problem of C. Berge. 6221: Uncountably many nonisomorphic nilpotent Lie algebras.
- Chaplik, A. V. = Čaplik, A. V.
- Chapman, D. G. 3168: Statistical problems in dynamics of exploited fisheries populations.
- Chappelair, J. E. 900: Shallow-water waves.
- Chappell, Willard R. 1134: (with Brittin, Wesley E.) The Wigner distribution function and second quantization in phase space.
- Charap, John M. 1092: (with Squires, Euan J.) Factorization of the residues of Regge poles. 2212a: (with Squires, Euan J.) On complex angular momentum in many-channel potential-scattering problems. I. 2212b: (with Squires, Euan J.) On complex angular momentum in many-channel potential-scattering problems. II.
- Charatonik, J. J. 743: On ramification points in the classical sense.
- Charles, J. = Charles-Renaudie, Josette.
- Charles-Renaudie, Josette. 7140: (with Gennart, P. E.) La mise en œuvre d'une méthode variationnelle.
- Charnes, A. 5985: (with Cooper, W. W.) Chance-constrained programming. 1267: (with Cooper, W. W. and Kortanek, K.) A duality theory for convex programs with convex constraints.
- Chase, Stephen U. 2472: On direct sums and products of modules. 2477: Torsion-free modules over $K[x, y]$.
- Chatterjea, S. K. 372: On series of squares of Bessel functions. 373: On the Bessel polynomials. 374: A Wronskian of the Hermite polynomials. 377: On Hermite polynomials. 1506: A note on Bessel polynomials. 6445: A note on complete elliptic integrals.
- Chatterjee, H. K. 3306: Resistance in potential flow with circulation. I. Circular and elliptic cylinders.
- Chaudhuri, Jyoti. 368: A note on definite integrals involving the derivatives of hypergeometric polynomials.

- Chauvineau, Jean. 3693: Suites continues et périodiquement ré-parties modulo 1.
- Chaves, Manuel Arala. 3061: Un théorème d'isotopie sur les plongements de classe C^{∞} .
- Chawla, L. M. 1342: Isotropic invariance of nuclei of linear systems of algebras. 2523: A note on characteristic endomorphisms of groups. 3658: The prefect square congruence over integers. 3792: An isomorphism theorem on groups.
- Chebyshev, P. L. 4870: ★Oeuvres. Tome I, II.
- Cheba, R. 6154: Reducible polynomials.
- Chelpanov, I. B. = Čelpanov, I. B.
- Chen, Weng-yuan. 6783: An index formula.
- Chen, Y. W. 1635: Entire solutions of a class of differential equations of mixed type.
- Chen, Yung-Ming. 4119: On Fourier transforms of the class W_0 . 6676: A remarkable divergent Fourier series. 6677: On Kolmogoroff's divergent Fourier series.
- Cheney, E. W. 531: (with Goldstein, A. A.) Tchebycheff approximation in locally convex spaces.
- Cheng, Chon-hu. 3824: On the Cartan subalgebra of the real semi-simple Lie algebra. I, II. 3825: On the Weyl group of real semi-simple Lie algebra. 3826: On the maximal solvable subalgebra of real semi-simple Lie algebra.
- Cheng, H. K. 987: Hypersonic flows past a yawed circular cone and other pointed bodies.
- Cheng, Hung. 4692: Meromorphic property of the S matrix in the complex plane of angular momentum. 1698: (with Núñez-Lagoa, R.) The uniqueness of the analytic continuation of partial wave amplitude in the complex plane of the angular momentum.
- Cheng, Ts'eng-t'ung. 7018: Stochastic measures and stochastic integrals.
- Cherepanov, G. P. = Čerepanov, G. P.
- Chern, Shing-shen. 5521: (with Hsiung, Chuan-chih) On the isometry of compact submanifolds in euclidean space.
- Chernikov, N. A. = Černikov, N. A.
- Chernin, V. S. = Černina, V. S.
- Chernoff, Herman. 1214: The scoring of multiple choice questionnaires. 1983: Optimal accelerated life designs for estimation. 5683: Sequential experimentation.
- Cherry, T. M. 2108: Trans-sonic nozzle flows found by the hodograph method.
- Cherubino, Salvatore. 6484: Sulle quasi-algèbre commutative definite in un'epoca.
- Chester, G. V. 7383: The Boltzmann equation for inhomogeneous electric fields.
- Chester, W. 2094: On Oseen's approximation.
- Chikawa, Kazuo. 4965: (with Iséki, Kiyoshi) Unsolved problems of number theory. Steinhaus problem.
- Childress, Stephen. 5841: The effect of a strong magnetic field on two-dimensional flows of a conducting fluid.
- Chittgopakar, S. S. 7115: (with Pakshirajan, R. P.) A note on a test procedure with a sample from a normal population when an upper bound to the standard deviation is known.
- Chee, Tae Ho. 52: On a continuous mapping between partially ordered sets with some topology.
- Chopra, K. P. 3349: (with Singh, I. J.) Thermodynamic properties of fluid flow across a magnetic field.
- Chequart, Gustave. I: *Dès Analysis und Bourbaki*. 2572: Frontière associée à un espace vectoriel de fonctions continues à valeurs vectorielles. 2573: Frontière fine réduite. Esquisse du cas localement compact. 6748: (with Meyer, Paul-André) Existence et unicité des représentations intégrales dans les convexes compacts quelconques.
- Chorafas, D. N. 912: ★Programming systems for electronic computers.
- Chow, Sho-kwan. 4358a: Homology groups and continuous mappings. I. Generalized homotopy groups and Shiraiwa's theorem. 4358b: Homology groups and continuous mappings. II. Homotopy classification for the maps of $(n+2)$ -dimensional polyhedron into $(n-1)$ -connected space.
- Chow, Tse-Sun. 4492: (with Milnes, Harold W.) Solution of Laplace's equation by boundary contraction over regions of irregular shape.
- Chow, Y. S. 7061: (with Robbins, Herbert) A renewal theorem for random variables which are dependent or non-identically distributed.
- Chowla, S. 82: On a formula of Jacobsthal. 107: Proof of a conjecture of Julia Robinson. 2418: (with Bose, R. C.) Theorems in the additive theory of numbers. 6118: (with Dunton, M. and Lewis, D. J.) All integral solutions of $2^n - 7 = z^2$ are given by $n=3, 4, 5, 7, 15$.
- Christa, Jan. 394: Coincidence of the basic third-order and fourth-order central dispersions of the differential equation $\ddot{y}(t) + Q(t)y(t) = 0$.
- Christensen, D. J. 6077: (with Pierce, R. S.) Free products of α -distributive Boolean algebras.
- Christian, Ulrich. 2640: Über Hilbert-Siegel'sche Modulformen und Poincarésche Reihen.
- Christofferson, Stig. 1901: ★On representation of integers by binary quadratic forms in algebraic number fields.
- Chu, Boa-Teh. 7238: Stress waves in isotropic linear viscoelastic materials. I. 1032: (with Parlange, J. V.) On the stability of laminar flame.
- Chu, Hsin. 4334: (with Geraghty, Michael A.) The fundamental group and the first cohomology group of a minimal set.
- Chu, Wen-Hwa. 4586: An aerodynamic analysis for flutter in Oseen-type viscous flow.
- Chung, Kai Lal. 2886: On the exponential formulas of semi-group theory. 3114: On the Martin boundary for Markov chains.
- Church, P. T. 337: Extensions of Stoilow's theorem. 1469: Cluster sets of functions on an n -ball. 6983: Differentiable open maps. 6352: (with Mahowald, M. E.) Measure preserving functions on locally compact spaces.
- Churchill, Ruel V. 6665: ★Fourier series and boundary value problems.
- Chzhan, Sy-In = Čian, Sy-ini.
- Cicala, Piacido. 2066: Teoria lineare della parete sottile e applicazioni.
- Cieślik, E. S. 1541: A theorem on a differential inequality for multi-point boundary-value problems.
- Ciesielski, Z. 5417: Some properties of Schauder basis of the space $C_{(0,1)}$. 516: (with Taylor, S. J.) First passage times and sojourn times for Brownian motion in space and the exact Hausdorff measure of the sample path.
- Cigler, Johann. 7012: Folgen normierter Massen auf kompakten Gruppen. 5122: (with Volkmann, Bodo) Über die Häufigkeit von Zahlenfolgen mit gegebener Verteilungsfunktion.
- Čilić, A. Ja. 4636: On a conjugate problem for a sectorial domain.
- Cin', Mén-Chao. 904: On the minimal order of error in integrating the equation $u_{xx} + u_{yy} = 0$ by the method of finite differences.
- Cinquini, Silvio. 2998: Sopra l'esistenza dell'estremo assoluto per gli integrali estesi a intervalli infiniti.
- Cirelli, R. 1072: (with Stabilini, G.) The nucleon-nucleon potential in quantum field theory. I.
- Cirulis, T. 6447: A general solution of the equation for the hypergeometric function ${}_1F_2$.
- Čistjakov, V. P. 3125: (with Markova, N. P.) Some theorems for non-homogeneous branching processes.
- Civin, Paul. 2894: Annihilators in the second conjugate algebra of a group algebra. 6511: Extensions of homomorphisms. 622: (with Yood, Bertram) The second conjugate space of a Banach algebra as an algebra.
- Clark, R. A. 1552: Asymptotic solutions of a nonhomogeneous differential equation with a turning point.
- Clark, R. N. 3547: (with Wheeler, P. C.) A self-adjusting control system with large initial error.
- Clay, Robert E. 4898: A simple proof of functional completeness in many-valued logics based on Lukasiewicz's C and N . 6044: A standard form for Lukasiewicz many-valued logics.
- Clayton, H. H. 1033: Note on an inversion formula by B. Davison.
- Clemm, D. S. 6444: (with Blanch, G.) ★Tables relating to the radial Mathieu functions. Vol. 1: Functions of the first kind.
- Cleeshaw, C. W. 362: ★Chebyshev series for mathematical functions.
- Cleškin, L. N. 463: An application of asymptotic methods to the study of gyroscopic systems.
- Clifton, Yeaton H. 3055: (with Smith, J. Wolfgang) Topological objects and sheaves.
- Climescu, Al. 1324: Les vecteurs comme bipoints.
- Clinton, William L. 3385: Volume dependence of the energy of an enclosed quantum mechanical system.

- des Cloizeaux, Jacques. 4760: Orthogonal orbitals and generalized Wannier functions.
- Clunie, J. 1456: On integral and meromorphic functions.
- Clunies-Ross, C. W. 4438: (with Fields, R. I. and Kramer, C. Y.) Joint estimation of the parameters of two normal populations.
- Cobanov, Iv. 4581: (with Dolapčev, Bl.) Flüssigkeitstransport, induziert von Wirbelstrassen. I.
- Coburn, N. 3327: The limiting speeds of characteristics in relaxation hydrodynamics.
- Cochran, W. G. 5704: (with Rao, J. N. K. and Hartley, H. O.) On a simple procedure of unequal probability sampling without replacement.
- Čodiev, T. Z. 1470: A boundary-value problem in the theory of functions.
- Cockcroft, W. H. 774: The simple homotopy type of the composition of 3-manifolds. 3047: Simple homotopy type torsion and the Reidemeister-Franz torsion. 3066: On the Thom isomorphism theorem.
- Coffi-Nketsia, Barben-Jean. 5025: Sur la valuabilité et les valuations minimales de certains anneaux.
- Čogošvili, G. S. 3053: Homology groups of an infinite complex. 3054: Singular homology groups with compact coefficient group.
- Cohen, A. Clifford, Jr. 4460: Simplified estimators for the normal distribution when samples are singly censored or truncated. 5703: Tables for maximum likelihood estimates: singly truncated and singly censored samples.
- Cohen, D. E. 6234: A topological proof in group theory.
- Cohen, E. G. D. 1165: Generalization of the Boltzmann equation to higher densities. 3458: On the generalization of the Boltzmann equation to general order in the density. 3459: Cluster expansions and the hierarchy. I. Non-equilibrium distribution functions. 3460: Cluster expansions and the hierarchy. II. Equilibrium distribution functions. 5929: On the kinetic theory of dense gases.
- Cohen, Eckford. 88: †A corollary of the Goldbach conjecture. 2406: Arithmetical notes. IX. On the set of integers representable as a product of a prime and a square. 3642: A trigonometric sum. 3643: Averages of completely even arithmetical functions (over certain types of plane regions). 3644: Simultaneous binary compositions involving pairs of relatively k -free integers. 4952: An analogue of a result of Jacobsthal. 6103: Arithmetical notes. IV. A set of integers related to the divisor function. 6104: Arithmetical notes. XIII. A sequel to Note IV. 6105: On the distribution of certain sequences of integers.
- Cohen, Hirsh. 973: (with Miranker, W. L.) Boundary-layer behavior in the superconductor transition problem.
- Cohen, J. W. 814: On derived and nonstationary Markov chains. 7028: A note on skeleton chains. 7029: Derived Markov chains. I. 7030: Derived Markov chains. II. 7031: Derived Markov chains. III.
- Cohen, L. Jonathan. 2360: A formalisation of referentially opaque contexts.
- Cohen, M. J. 983: A hodograph design method for compressible flow problems.
- Cohn, Harvey. 2425: Cusp forms arising from Hilbert's modular functions for the field of $3^{1/2}$. 2426: A numerical study of the relative class numbers of real quadratic integral domains. 91: (with Pall, Gordon) Sums of four squares in a quadratic ring.
- Cohn, J. H. E. 1431: On some problems of P. Verma. 1455: A problem of J. Clunie and P. Verma. II.
- Cohn, M. 2348: (with Lindaman, R.) Axiomatic majority-decision logic.
- Cohn, P. M. 3774: Eine Bemerkung über die multiplikative Gruppe eines Körpers. 6223: A remark on the Birkhoff-Witt theorem.
- Coldwell-Horsfall, Rosemary A. 5935: (with Maradudin, Alexei A.) Erratum: "Zero-point energy of an electron lattice".
- Cole, Julian D. 2134: (with Greifinger, Carl) Similarity solution for cylindrical magnetohydrodynamic blast waves. 5215: (with Kevorkian, J.) Uniformly valid asymptotic approximations for certain non-linear differential equations.
- Coleman, Bernard D. 3783: (with Bragg, Lincoln E.) On strain energy functions for isotropic elastic materials.
- Coleman, Courtney. 1563: Forced oscillations in 3-space. 5233:
- Asymptotic stability in 3-space. 5233: Systems of differential equations without linear terms.
- Coleman, D. B. 191: Finite groups with isomorphic group algebras.
- Coleman, S. H. 807: Separability of stochastic processes.
- Coles, W. J. 1522: A note on matrix Riccati systems. 389: (with Tucker, D. H.) Equivalence of certain differential equations.
- Collar, A. R. 3719: On centrosymmetric and centroskew matrices.
- Collatz, L. 5046: Potenzbilder endlicher Gruppen. 5744: Methods for the solution of partial differential equations on digital computers.
- Colleau, Jean. 5951: Stabilité infinitésimale des solutions des équations d'Einstein.
- Collingwood, E. F. 2599: (with Piranian, G.) The structure and distribution of prime ends.
- Collins, H. S. 3024: Remarks on affine semigroups.
- Collins, W. D. 4607: Some scalar diffraction problems for a spherical cap. 5383: On some triple series equations and their applications.
- Colojoari, Ion. 752: Sur un théorème de point fixe dans les espaces uniformes complets.
- Colton, Theodore. 7122: A model for selecting one of two medical treatments.
- Combes, Jean. 6410: Sur les valeurs prises par les dérivées successives des fonctions analytiques.
- Combet, Edmond. 5953: Quantification des champs variés en relativité générale.
- Comfort, W. W. 6926: (with Ross, Kenneth A.) On the infinite product of topological spaces.
- Comment, Pierre. 3638: Sur la règle de simplification.
- Comoglio, Anna. 5498: Comportamento degli elementi curvilinei composti in un'omografia.
- Compaan, K. 5898: (with Zijlstra, H.) Effective-field approach to the problem of interacting polarized particles.
- Comrie, L. J. 365a: (with Fletcher, A.; Miller, J. C. P. and Rosenhead, L.) ★An index of mathematical tables. Vol. I: Introduction. Part I: Index according to functions. 365b: (with Fletcher, A.; Miller, J. C. P. and Rosenhead, L.) ★An index of mathematical tables. Vol. II. Part II: Bibliography. Part III: Errors. Part IV: Index to Introduction and Part I.
- Concus, Paul. 2128: Effects of a magnetic field on natural convection in a toroidal channel. 3301: Standing capillary-gravity waves of finite amplitude.
- Conkie, W. R. 4770: An iterative method for neutron transport problems with spherical symmetry.
- Conkling, Randall M. 855: Decimal correction error: an example in statistics.
- Conlan, J. 6583: A generalized boundary value problem for $u_{xy} = f(x, y, u, u_x, u_y)$.
- Connell, E. H. 6947: Stable homeomorphisms can be approximated by piecewise linear ones.
- Connell, Ian G. 2429: On algebraic number fields with unique factorization.
- Conner, P. E. 3082: Pontryagin numbers of maps. 4353: A bordism theory for actions of an abelian group. 768: (with Floyd, E. E.) Fixed point free involutions and equivariant maps. II. 6300: (with Montgomery, Deane) An example for $SO(3)$.
- Connor, Frank. 3867: Concerning the equivalence of Lebesgue-Stieltjes summability classes. 1415: (with Porelli, Pasquale) On equivalent measures.
- Conrad, Paul F. 3794: Regularly ordered groups. 5061: Completions of groups of class 2.
- Constantinescu, C. 1450: Dirichletsche Abbildungen.
- Constantinescu, Florin. 1732: Sur la distance de deux ensembles dans un espace vectoriel normé. 6767: Applications des différences divisées dans la théorie élémentaire des distributions.
- Constantinescu, Paul. 4863: About a class of symmetrical networks which can be realized with a minimal number of contacts.
- Conte, Samuel D. 2028: (with Dames, Ralph T.) On an alternating direction method for solving the plate problem with mixed boundary conditions.
- Contepou, P. 5965: Etude théorique des trajectoires optimales dans un champ de gravitation. Application au cas d'un centre d'attraction unique.

- Conti, Roberto. 5443: Problemi quasi lineari negli spazi di Banach.
- Cook, L. F., Jr. 2210: (with Blankenbecler, R. and Goldberger, M. L.) Rogge poles in high-energy electron scattering.
- Cooke, Kenneth L. 4063: Differential-difference equations. 5259: (with Bellman, Richard) ★Differential-difference equations.
- Coolidge, Julian Lowell. 6997: ★An introduction to mathematical probability.
- Coon, Geraldine A. 558: (with Bornstein, Dorothy L.) Some general formulas for double Laplace transformations.
- Cooper, L. 7233: (with Parks, J. R.) The application of numerical integration to a problem of viscoelasticity.
- Cooper, W. W. 5985: (with Charnes, A.) Chance-constrained programming. 1207: (with Charnes, A. and Kortanek, K.) A duality theory for convex programs with convex constraints.
- Copeland, Arthur H., Jr. 6983: Isology theory.
- Cordes, H. O. 4033: Zero order a priori estimates for solutions of elliptic differential equations.
- Corduneanu, Adrian. 3996: Sur les exposants caractéristiques générés.
- Corduneanu, C. 3997: Sur la construction des fonctions de Liapounoff. 5257: Théorème d'existence globale pour les systèmes différentiels à argument retardé.
- Corinaldesi, E. 1115: Outline of a perturbation theory of the hydrogen molecule. 3396: Perturbation theory of scattering of a particle by an identical bound particle. I. 3397: Scattering of a particle by a system of identical particles in a bound state.
- Corner, A. L. S. 218: Wildly embedded subgroups of complete direct sums of cyclic groups.
- Cornille, H. 5869: Méthodes d'approximation pour la détermination de potentiels semi-phénoménologiques nucléon-nucléon. 2189: (with Martin, A.) Propriétés analytiques de l'amplitude de diffusion de deux particules chargées interagissant par un potentiel du type Yukawa.
- Cornish, F. H. J. 7416: A unified field theory of gravitation and electromagnetism.
- Cornwall, John M. 3430: (with Ruderman, Malvin A.) Mandelstam representation and Regge poles with absorptive energy-dependent potentials.
- van der Corput, J. G. 1674: On a generalization of the Lambert series.
- Corsi, Gabriella. 2493: Automorfismi senza coincidenze dei gruppi non abeliani di ordine p^2 o p^4 .
- Corson, Edward M. 1045: A unified variational formulation of classical and quantum dynamics. I. 5358: Unified variational formulation of classical and quantum dynamics. II.
- Cognitj, C. 1868: Sur les trajectoires isogonales des familles de cercles.
- Cossu, Aldo. 2996: Connessioni che conservano una struttura quasi complessa.
- Costa, A. Almeida. See Almeida Costa, A.
- Costa de Beauregard, Olivier. 3388: Le graviton de spins 2, 1 et 0, particule associée au champ gravitationnel asymétrique inclinant les effets de spin. 7391: Translational inertial spin effect. 7392: (with Lenoir, Marcel) Extension des formules de Franz-Kofink à la théorie de Dirac-Lichnerowics.
- Costinescu, Olga. 1420: Sur l'intégrale multiple de Riemann-Graves.
- Cote, L. 5578: (with Skibinsky, M.) On the inadmissibility of some standard estimates in the presence of prior information.
- Cotlar, M. 1699: (with Ortiz, E. L.) On some inequalities of potential operators.
- Cottaftis, Michel. 939: Une condition de stabilité du mouvement.
- Courrèges, Philippe. 3106: Intégrales stochastiques associées à une martingale de carré intégrable.
- Courtillot, Marcel. 4815: On varying all the parameters in a linear programming problem and sequential solution of a linear-programming problem.
- Cowley, M. D. 7298: On plane flow of a gas with finite electrical conductivity in strong magnetic field.
- Cox, D. R. 5697: (with Atiquallah, M.) The use of control observations as an alternative to incomplete block designs.
- Coxeter, H. S. M. 190: The abstract group G_2 . 7. 18. 648: Similarities and conformal transformations. 2516: The symmetry groups of the regular complex polygons. 2944: The total length of the edges of a non-Euclidean polyhedron. 6267: "The abstract group G_2 . 7. 18"; a correction.
- Coz, Marcel. 1708a: Sur un continu d'opérations fonctionnelles linéaires. 2945: Représentation intégrale des corps convexes dans E^n .
- Crăciun, C. 4580: (with Dumitrescu, D. and Ionescu, V.) Die Strömung schwerer Flüssigkeiten mit freier Oberfläche in senkrechter Ebene. 5815: (with Dumitrescu, D. and Ionescu, V.) Étude unitaire du mouvement des fluides pesants à surface libre.
- Craft, George A. 5129: A transformation theory for weight functions.
- Crags, J. W. 7264: On axially symmetric waves. I. Linearized compressible flow with axial boundary conditions. 7265: On axially symmetric waves. II. The treatment of a plane boundary.
- Craig, C. C. 1963: On a class of simple sequential tests on means.
- Craig, Homer V. 727: On an extended phase space.
- Cramér, Harald. 4393: On the approximation to a stable probability distribution.
- Crandall, Stephen H. 976: (with Kurtz, Edward F., Jr.) Computer-aided analysis of hydrodynamic stability.
- Crank, John. 920: ★Mathematics and industry.
- Crawley, Peter. 215: An infinite primary abelian group without proper isomorphic subgroups. 6096: Direct decompositions with finite dimensional factors.
- Cristea, Ion I. 1418: Deux extensions des intégrales de Riemann et de Lebesgue. I. 4596: Équations intrinsèques d'un mouvement fluide permanent.
- Cristescu, Romulus. 7000: Sur les fonctions aléatoires n'admettant pas de moments.
- Crittenden, R. 4283: Covariant differentiation.
- Craft, H. T. 512: Note on a paper of J. E. Littlewood. 1841: Some plane curve pathologies. 5103: A note on a Darboux continuous function. 2925: (with Swinnerton-Dyer, H. P. F.) On the Steinhaus billiard table problem.
- Croisot, R. 158: (with Lesieur, L.) Sur la dualité dans les (\mathcal{J})-algèbres. Application aux anneaux, aux modules, aux demi-groupes. 159: (with Lesieur, Léonce) La notion de cœur dans un module.
- Cronin, Jane. 1569: Poincaré's perturbation method and topological degree. 1570: A topological method in nonlinear resonance.
- Croas, George. 281: The relation between two symmetric integrals.
- Cross, R. W. 6825: Existence theorems for linear equations in an infinity of unknowns.
- Cresson, Frederick James. 3572: Formal logic and formal ontology in Husserl's phenomenology.
- Crouse, C. F. 843: A non-null ranking model for a sequence of m alternatives.
- Crout, Prescott D. 3220: A least square procedure for solving homogeneous integral equations.
- Crow, Edwin L. 5656: (with Davis, Frances A. and Maxfield, Margaret W.) ★Statistics manual: With examples taken from ordnance development.
- Crowell, Richard H. 4348: (with Fox, Ralph H.) ★Introduction to knot theory.
- Csáki, E. 5642: On the number of intersections in the one-dimensional random walk. 3138: (with Vincze, I.) On some problems connected with the Galton-test.
- Császár, Ákos. 3840: Sur les critères locaux de monotonie. 3918: Sur les auxiliaires topologiques des éléments de la théorie des fonctions analytiques. 6917: ★Grundlagen der allgemeinen Topologie.
- Cuculescu, Ion. 2448: Une démonstration simple d'une formule de Perron. 5631: Martingales of sum-functions.
- Cudis, Dennis F. 2859: On the localization and directionalization of uniform convexity.
- Cuesta, N. = Cuesta Dutari, Norberto.
- Cuesta Dutari, Norberto. 3575: Postulate = axiom?
- Cugiani, Marco. 4983: Successioni uniformemente distribuite nei domini P -adiici.
- Cuhlova, O. P. 5164: (with Dragilev, M. M.) On the convergence of certain interpolation series.
- Cummings, F. W. 2163: Long-time transition probabilities for a two-level system interacting with a stochastic electromagnetic field.
- Cunihin, S. A. 2509: On complexes of non-nilpotent subgroups of finite groups. 2510: On the decomposition of w -solvable groups into the

- direct product of subgroups. 6236: A general criterion of existence of subgroups of finite groups.
- Cuppens, Roger. 6682: Sur la décomposition d'une fonction $2q$ fois dérivable à l'origine en produit infini de fonctions caractéristiques. 7005: Sur la stabilité des décompositions en arithmétique des lois de probabilité.
- Curjel, C. R. 3049: On the homology decomposition of polyhedra.
- Curie, N. 5823: ★The laminar boundary layer equations.
- Curry, Haskell B. 6036: ★Foundations of mathematical logic.
- Curtis, Charles W. 5048: An isomorphism theorem for certain finite groups. 2519: (with Reiner, Irving) ★Representation theory of finite groups and associative algebras.
- Curtis, H. Allen. 1231: A generalized tree circuit.
- Curtiss, J. H. 3923: Solution of the Dirichlet problem by interpolating harmonic polynomials. 6376: Limits and bounds for divided differences on a Jordan curve in the complex domain.
- Curzio, Mario. 201: Sui sottogruppi normali dei gruppi speciali. 6251: Certains critères de nilpotence pour les groupes finis.
- Cutkosky, R. E. 3436: Wave functions.
- Cuttle, P. M. 607: Operators on a quasi-reflexive Banach space.
- Cybakev, B. S. 4833: Shannon's scheme for a uniform-spectrum gaussian message and a channel with fluctuation noise.
- Cygankov, I. V. 1520: Solution of Riccati equations by continued fractions. 1521: Solution of a special Riccati equation by continued fractions. 2644: Recurrence relations for classical orthogonal polynomials.
- Cyvin, Sven J. 4721: Elementary treatment of secular equations with special reference to some problems in the theory of molecular vibrations.
- Čian, Šy-ini. 4862: On sufficient conditions for an optimum.
- Čian, Tun. 4024: (with Din, Sja-ai; Ma, Žu-njan and Van, Kon-tin) Necessary and sufficient conditions for uniqueness of the Dirichlet problem for a system of second-order elliptic equations with constant coefficients.
- Čian, Žen'-wei = Chang, Jen-wei.
- Czerwiński, Zbigniew. 34: Enumerative induction and the theory of games. 7444: ★Introduction to the theory of linear programming.
- Czipszer, J. 1802: Über die Parallelbereichen nach innen von Eibereichen. 3859: Sur le module de continuité intégrale.
- Dacev, A. B. 1038: Sur l'interprétation de la mécanique quantique. I. Une nouvelle hypothèse. Conséquences qualitatives. 1039: Sur l'interprétation de la mécanique quantique. II. Détermination de la probabilité de présence. 1040: Sur l'interprétation de la mécanique quantique. III. Relations d'incertitude. Observation et réalité. 1041: Sur l'interprétation de la mécanique quantique. Cas relativiste d'un corpuscule avec spin. 2307: Über den physikalischen Sinn des Relativitätsprinzips.
- Dade, E. C. 2521: Some indecomposable group representations.
- Dahlberg, Erling. 1002: On radial flow of a conducting gas in crossed fields. 7297: An attempt at a one-dimensional treatment of the flow in a Hall-effect MHD-generator channel.
- Dahler, John S. 4742: Angular momentum transport in quantum statistical mechanics.
- Dalton, R. E. 6111: (with Levine, Jack) Minimum periods, modulo p , of first-order Bell exponential integers.
- Dames, Ralph T. 2028: (with Conte, Samuel D.) On an alternating direction method for solving the plate problem with mixed boundary conditions.
- Damsté, B. R. 7431: (with Lauwerier, H. A.) The North Sea problem. VIII. A numerical treatment.
- Danby, J. M. A. 3592: Integration of the equations of planetary motion in rectangular coordinates.
- Danesh, István. 2582: Power sums of complex numbers.
- Daneri, A. 1044: (with Loinger, A. and Prosperi, G. M.) Quantum theory of measurement and ergodicity conditions.
- Daniljuk, I. I. = Daniljuk, I. I.
- Daniljuk, I. I. 496: A generalized Cauchy formula for axi-symmetric vector fields. 2839: On the theory of one-dimensional singular equations. 5309: A generalized Cauchy formula for axially symmetric fields.
- Danilovskaja, V. I. 4573: Application of the Castiglione variational theorem to three-dimensional thermoelastic problems.
- Danilovskaya, V. I. = Danilovskaja, V. I.
- Danskin, J. M. 1210: A game theory model of convoy routing.
- Dantoni, Giovanni. 6167: Ideali e varietà algebriche.
- Dantzig, G. B. 2329: (with Wolfe, Philip) Linear programming in a Markov chain.
- Darroch, J. N. 5681: (with Silvey, S. D.) On testing more than one hypothesis.
- Darst, R. B. 284: A note on integration of vector valued functions. 6827: A continuity property for vector valued measurable functions.
- Das, Anadizhan. 2295: Complex scalar field in general relativity.
- Dascalopoulos, Demetrios. 1723: Existenz und Eindeutigkeit der Lösung von linearen Volterraischen Integrodifferentialgleichungen und Systemen vom Faltungstyp mit konstanten Koeffizienten.
- Dasgupta, Padmanabha. 1100: Regge trajectory and resonant partial wave amplitude.
- Dashen, Roger F. 5864: New approach to low-energy potential scattering.
- Datta, Bibhutibhusan. 6029: (with Singh, Avadheesh Narayan) ★History of Hindu mathematics: A source book. Part I: Numerical notation and arithmetic. Part II: Algebra.
- Datta, Bidyut Kumar. 2304: Static electromagnetic fields in general relativity.
- Datta, S. K. 3285: On the steady motion on an idealized elastico-viscous liquid through channels with suction and injection.
- Datzeff, A. B. = Dacev, A. B.
- Dautcourt, G. 4781: Matter and gravitational shock waves in general relativity.
- Davenport, H. 3671: A note on Diophantine approximation. 2463: (with Lewis, D. J.) Exponential sums in many variables. 3657: (with Lewis, D. J.) Notes on congruences. I. 6117: (with Lewis, D. J.) Notes on congruences. II. 2421: (with Birch, B. J. and Lewis, D. J.) The addition of norm forms.
- Davey, A. 3316: The growth of Taylor vortices in flow between rotating cylinders. 4588: Rotational flow near a forward stagnation point.
- David, H. A. 6066: The structure of cyclic paired-comparison designs. 864: (with Starks, T. H.) Significance tests for paired-comparison experiments. 1974: (with Trawinski, B. J.) Selection of the best treatment in a paired-comparison experiment.
- David, Herbert T. 860: The sample mean among the moderate order statistics. 1970: The sample mean among the extreme normal order statistics.
- Davidenko, D. F. 2021: On a method of constructing difference equations by the node method for interior Dirichlet problems for the Poisson equation.
- Davies, H. 2179: Hamiltonian approach to the method of summation over Feynman histories.
- Davies, I. J. 3780: Enumeration of certain subgroups of Abelian p -groups.
- Davies, K. T. R. 2183: (with Baranger, M.) Symmetry properties of the S -matrix with application to resonance reactions.
- Davies, Roy O. 35: On a problem of Erdős concerning decompositions of the plane. 6059: Equivalence to the continuum hypothesis of a certain proposition of elementary plane geometry. 6060: On a denumerable partition problem of Erdős.
- Davis, Chandler. 1330: The norm of the Schur product operation. 6799: The rotation of eigenvectors by a perturbation.
- Davis, Frances A. 5656: (with Crow, Edwin L. and Maxfield, Margaret W.) ★Statistics manual: With examples taken from ordnance development.
- Davis, H. S. 4325: (with Stadtlander, D. P. and Swingle, P. M.) Semigroups, continuous and the set functions T^* .
- Davis, Harold T. 364: (with Fisher, Vera J.) ★Tables of the mathematical functions. Vol. III: Arithmetical tables.
- Davis, Martin. 6046: Extensions and corollaries of recent work on Hilbert's Tenth Problem. 4903: (with Putnam, Hilary) Diophantine sets over polynomial rings. 7175: (with Logemann, George and Loveland, Donald) A machine program for theorem-proving.
- Davis, Morton. 2332: (with Maschler, Michael) Existence of stable payoff configurations for cooperative games.
- Davis, Philip J. 5166: Packing inequalities for circles.

- Davis, T. A. 1701: The Wiener-Pitt phenomenon on semi-groups.
- Davis, William R. 1191: (with Katzin, Gerald H.) Mechanical conservation laws and the physical properties of groups of motions in flat and curved space-times.
- Daydov, N. A. 4090: The (c)-property of the Cesàro and Abel-Poisson methods and theorems of Tauberian type.
- Dawson, John. 7380: (with Oberman, Carl and Ron, Amiram) High-frequency conductivity of a fully ionized plasma.
- Day, Mahlon M. 2847: ★Normed linear spaces.
- Daykin, D. E. 4988: The irreducible factors of $(cx+d)x^m - (ax+b)$ over $GF(q)$.
- De Alfaro, V. 3431: (with Regge, T. and Rossetti, C.) Dynamical equations and angular momentum.
- Dean, David W. 1738: Projections in certain continuous function spaces $C(H)$ and subspaces of $C(H)$ isomorphic with $C(H)$.
- Dean, P. 1158: Vibrational spectra of diatomic chains. 7382: The vibrations of three two-dimensional lattices.
- Debrunner, Hans. 6833: Orthogonale Dreibeine in richtungsvollständigen, stetigen Geradensecharen des R^3 .
- Deckard, Don. 5438: (with Pearcey, Carl) On matrices over the ring of continuous complex valued functions on a Stonian space. 6774: (with Pearcey, Carl) Another class of invertible operators without square roots.
- Decuyper, M. 2957: Sur quelques transformations des congruences de droites.
- Dedeabat, G. 2317: On a matrix method preserving the three-body configuration.
- Dedecker, Paul. 778: Sur la cohomologie non abélienne. II.
- Deheuvels, René. 1884: Homologie à coefficients dans un antifaisceau.
- Degen, Wendelin. 687: Zur projektiven Differentialgeometrie der Flächen, die von einer einparametrischen Schar von Kegelschnitten erzeugt werden. 2962: Über konjugierte Netze, deren Tangentenkongruenzen in linearen Komplexen liegen.
- Dekker, J. C. E. 16: Infinite series of isola.
- Delachet, André. 2909: ★Contemporary geometry.
- Deleanu, Aristide. 763: Théorie des points fixes: sur les rétractes de voisinage des espaces convexoïdes. 769: Une généralisation du théorème du point fixe de Schauder. 3050: Sur une définition du groupe de cohomologie d'un espace topologique. 5556: Fixed-point theory on neighborhood retracts of convexoid spaces.
- Delie, André. 5962: (with Deprit, André) Courbure de la métrique riemannienne du problème plan des trois corps. 5963: (with Deprit, André) Régularisation du problème des trois corps.
- Delporte, Jean. 5612: Construction d'une fonction aléatoire normale presque sûrement lipschitzienne. 7002: Extensions des conditions suffisantes pour la construction de fonctions aléatoires normales, presque sûrement continues, possédant une covariance donnée. 7003: Convergence uniforme presque sûre de séries de fonctions aléatoires normales presque sûrement continues. Application à l'étude de la fonction du mouvement brownien de Wiener-Lévy.
- Devendahl, O. 4520: Über die algebraische Struktur des Größenkalüls der Physik.
- Delves, L. M. 7317: A variation principle for arbitrary operators.
- Delant, Antoine. 175: Définition des classes de Stiefel-Whitney d'un module quadratique sur un corps de caractéristique différente de 2.
- DeMar, Richard F. 1457: Vanishing central differences.
- Demaria, Davide Carlo. 1797: Alcune proprietà dei sistemi lineari d'ipersuperficie appartenenti ad una varietà algebrica non singolare.
- Dembowski, Peter. 661: Tactical decompositions of λ -spaces. 662: Semiaffine Ebenen. 1799: Scharf transitive und scharf fahnentransitive Kollinearitätsgruppen. 660: (with Wagner, A.) Some characterizations of finite projective spaces.
- Demidov, V. D. 7286: (with Frank-Kamenetskii, D. A. and Yakimenko, V. L.) Magnetic sound in a hot plasma. I. Propagation across the magnetic field and dissipation due to collisions.
- Demidović, B. P. 1567: On the dissipativity of a certain non-linear system of differential equations. I.
- Demin, V. G. 3503: The approximate solution of the problem of the motion of the Earth's artificial satellites.
- Demulkin, S. P. 1310: (with Šafarevič, I. R.) The second obstruction for the imbedding problem for the field of algebraic numbers.
- Denham, W. F. 4822: (with Bryson, A. E.) A steepest-ascent method for solving optimum programming problems.
- Denjoy, Arnaud. 5105: Les dérivées premières symétriques.
- Denman, H. H. 5725: (with Ettinger, R. C. W.) Note on latent roots and vectors of segments of the Hilbert matrix.
- Dennis, S. C. R. 3217: Finite differences associated with second-order differential equations.
- Deo, Bibhutibhusan. 1076: Interacting fermions in two dimensions. 2229: Mass spectrum from four-boson contact interaction.
- Depaix, Michel. 3130: Distributions de déviations maximales bilatérales entre deux échantillons indépendants de même loi continue.
- Deprit, André. 5962: (with Delie, André) Courbure de la métrique riemannienne du problème plan des trois corps. 5963: (with Delie, André) Régularisation du problème des trois corps.
- Derkač, P. H. 5291: On an application of Chebychev polynomials.
- Derrick, G. H. 7341: Representation of annihilation operators in the space of periodic functions.
- Derwidur, L. 7145: Sur la factorisation des polynômes.
- Desai, Bipin R. 7352: (with Newton, Roger G.) Angular momentum poles of the nonrelativistic S matrix for spin 1/2 particles. 7353: (with Newton, Roger G.) Representations of the S matrix in terms of its angular momentum poles.
- Descloux, A. 7056: On overflow processes of trunk groups with Poisson inputs and exponential service times.
- Deser, S. 3380: (with Arnowitt, R.) The spin-statistics theorem. 1182: (with Arnowitt, R. and Münner, C. W.) The dynamics of general relativity.
- Deshpande, V. K. 3485: (with Bilaniuk, O. M. P. and Sudarshan, E. C. G.) "Meta" relativity.
- De Silva, C. N. 5968: Thermal stresses in the bending of ogival shells.
- D'Esopo, D. A. 877: A note on forecasting by the exponential smoothing operator.
- Desq, Roger. 1379: Sur certaines relations d'équivalence dans un demi-groupe. 2529: Sur les demi-groupes ayant un élément unité homomorphe à un demi-groupe donné. 3867: Sur les demi-groupes ayant des éléments unités d'un côté.
- Deutsch, E. 941a: On the flexure problem. I. 941b: On the flexure problem. II. Flexure of a beam with symmetrical airfoil section. 3264: Détermination des déplacements et des tensions sur la surface limite d'un corps solide élastique semi-infini, actionné par une charge normale, à symétrie axiale. 4533: Sur le problème de Boussinesq. 5759: Flexure of hollow cylinders. 5791: Flexure of orthotropic prismatic beams.
- Deutsch, Ralph. 6006: ★Nonlinear transformations of random processes.
- Devanathan, V. 3400: (with Ramakrishnan, A. and Ramachandran, G.) A time-dependent approach to rearrangement collisions.
- Devdariani, R. G. 3226: On sharpening the working formulas of a numerical differential analyser.
- Devidé, Vladimir. 4919: On monotone mappings of the power-set. 6058: An equivalent of the axiom of choice.
- De Wilde, Marc. 5398: Sur un théorème de G. Mackey.
- DeWitt, Bryce S. 1183: The quantization of geometry. 5579: Quantization of fields with infinite-dimensional invariance groups. II. Anticommuting fields. 5888: Quantization of fields with infinite-dimensional invariance groups. III. Generalized Schwinger-Feynman theory. 4791: (with Utiyama, Ryoyu) Renormalization of a classical gravitational field interacting with quantized matter fields.
- DeWitt, Hugh E. 5920: Analytic properties of the quantum corrections to the second virial coefficient. 5921: Evaluation of the quantum mechanical ring sum with Boltzmann statistics.
- Dey, Ian M. S. 3762: Relations between the free and direct products of groups.
- Diananda, P. H. 46: Inequalities for a class of cyclic and other sums. 3665: Some cyclic and other inequalities. II. 5111: On some inequalities of H. Kober. 6335: A cyclic inequality and an extension of it. II.

- Dianen, S. A. 6457: On a family of summation-orthogonal polynomials similar to the Laguerre polynomials.
- Dias, Lindolpho de Carvalho. *See de Carvalho Dias, Lindolpho.*
- Diaz, A. Camacho. *See Camacho Diaz, A.*
- Diaz, J. B. 476: (with Aziz, A. K.) On a mixed boundary-value problem for linear hyperbolic partial differential equations in two independent variables. 6324: (with Aziz, A. K.) On Pompeiu's proof of the mean-value theorem of the differential calculus of real-valued functions. 3846: (with Metcalf, F. T.) Stronger forms of a class of inequalities of G. Pólya-G. Szegő, and L. V. Kantorovich. 7245: (with Pai, S. I., co-editor) ★Fluid dynamics and applied mathematics. 7207: (with Payne, L. E.) New mean value theorems in the mathematical theory of elasticity.
- Dicke, R. H. 4797: Long-range scalar interaction.
- Dicker, R. M. 57: A set of independent axioms for Boolean algebra.
- DiDonato, A. R. 5669: (with Jarnagin, M. P.) A method for computing the circular coverage function.
- tom Dieck, Tammo. 3759: Ein Beweis für die Äquivalenz zweier Definitionen der Extensionsprodukte.
- Diehl, H. 2240: (with Flügge, S.; Schröder, U.; Völkel, A. and Weiguny, A.) Zum quantenmechanischen Dreikörperproblem. I. Grundlagen.
- Dieudonné, Jean. 3818: Note sur les fonctions sphériques.
- Dikii, L. A. 4590: The stability of plane-parallel flows of an ideal fluid.
- Dikopolov, G. V. 5286: Boundary-value problems for differential equations with constant coefficients in a half-space.
- Diliberto, Stephen P. 420a: Perturbation theorems for periodic surfaces. I. Definitions and main theorems. 420b: Perturbation theorems for periodic surfaces. II.
- Dilworth, R. P. 1333: Abstract commutative ideal theory. 2345: (with Gleason, A. M.) A generalized Cantor theorem.
- DiMaggio, F. L. 4543: (with Shiraishi, N.) Perturbation solution for the axisymmetric vibrations of prolate spheroidal shells.
- Dimitrovski, Dragan. 6423: Une généralisation du lemme de Jordan et ses applications.
- Dimmock, J. O. 4764: (with Wheeler, R. G.) Symmetry properties of wave functions in magnetic crystals.
- Din, Sja-si. 4024: (with Ma, Zu-njaf; Van, Kon-tin and Čzan, Tun) Necessary and sufficient conditions for uniqueness of the Dirichlet problem for a system of second-order elliptic equations with constant coefficients.
- Dinculeanu, N. 2858: Sur les intégrales réductibles à des intégrales rationnelles. 5124: Remarks on the integral representation of vector measures and linear operations on L^p . 596: (with Foiaş, C.) Sur la représentation intégrale des certaines opérations linéaires. IV. Opérations linéaires sur l'espace L^p .
- Dinges, H. 7054: Ein verallgemeinertes Spiegelungsprinzip für den Prozess der Brownschen Bewegung.
- Dinghas, Alexander. 345: Über eine Fassung des Phragmén-Lindelöfischen Prinzips. 5112: Zum Beweis der Ungleichung zwischen dem arithmetischen und geometrischen Mittel von n Zahlen. 5161: Über eine Vertiefung des Phragmén-Lindelöfischen Prinzips.
- Dingle, R. B. 1513: (with Müller, H. J. W.) Asymptotic expansions of Mathieu functions and their characteristic numbers.
- Dionisio, J. J. 609: On functions and representations in semi-groups. 1322: A Ruffini algorithm for matrices in the computation of characteristic vectors. 1323: On the localization of the characteristic roots of a matrix. 5012: Some applications of the polar decomposition of a matrix.
- Dirac, G. A. 753: Note on the structure of graphs. 5562: On the maximal number of independent triangles in graphs. 5563: (with Erdős, P.) On the maximal number of independent circuits in a graph. 6954: (with Schuster, S.) Corrigendum: "A theorem of Kuratowski".
- Dirac, P. A. M. 2201: The conditions for a quantum field theory to be relativistic.
- Ditkin, V. A. 6704: (with Prudnikov, A. P.) Operational calculus of Bessel operators.
- Dix, D. M. 5838: The magnetohydrodynamic flow past a non-conducting flat plate in the presence of a transverse magnetic field.
- Dixmier, J. 5096: Sur les représentations unitaires des groupes de Lie résolubles. 6807: Traces sur les C^* -algèbres.
- D'jakonov, B. P. 3363: Asymptotic expressions for electro-magnetic fields with cylindrical inhomogeneity.
- Djatlov, I. T. 5886: (with Gribov, V. N.) Analytic continuation of the three-particle unitarity condition. Simplest diagrams.
- Djoković, Dragomir Ž. = Đoković, D. Ž.
- Đilas, V. 5056: On the dependence relation over abelian groups.
- Đlutsik, H. 2144: Die Ableitungen der Seidelschen Summen.
- Dnestrovskii, Ju. N. 2262: (with Kostomarov, D. P.) Propagation of electromagnetic waves in a plasma across an exterior magnetic field.
- Dobell, A. R. 5710: (with Hull, T. E.) Random number generators. 7130: (with Allard, J. L. and Hull, T. E.) Mixed congruential random number generators for decimal machines.
- DOBÉK, Ander. 3519: On the problem of evasion.
- Debreu, Andrei. 4243: Sur les points singuliers d'ordre supérieur des courbes planes représentées par des équations implicites.
- Debruijn, R. L. 1224: Asymptotic bounds for error probability in transmitting messages over a discrete channel without memory with a symmetric transmission probability matrix. 2342: Mathematical problems in the Shannon theory of optimal coding of information. 5998: Approach to the limit under the signs of information and entropy. 5999: Unified methods of transmission of information for discrete channels without memory and for communications with independent components. 6000: Unified methods of information transmission. The general case.
- Dočev, Kiril. 296: On a theorem of N. Obreškov. 532: On a theorem of S. N. Bernstein. 2645: On the generalized Bessel polynomials. 7127: Über Newtonsche Iterationen.
- Docquier, Ferdinand. 6435: (with Grauert, Hans) Levisches Problem und Runge'scher Satz für Teilgebiete Steinscher Mannigfaltigkeiten.
- Doig, Alison G. 3134: (with Kendall, Maurice G., co-editor) ★Bibliography of statistical literature 1950–1958.
- Dokas, Lambros. 4941: Sur certains compléments des ensembles ordonnés munis d'opérations: compléments de Dedekind et de Kurepa des ensembles partiellement ordonnés.
- Doković, D. Ž. 505: Sur quelques équations fonctionnelles cycliques se réduisant à l'équation de Cauchy. 2649: Sur une formule relative aux fonctions de Bessel. 6071: Note sur la décomposition des cycles. 6072: Quelques identités entre certains produits et séries infinies. 6631: Sur l'équation fonctionnelle $f(x_1, x_1+x_2) - f(x_1, x_2+x_3) + f(x_2, x_1) - f(x_2, x_3) = 0$. 2760: (with Mitrinović, Dragoslav S.) Propriétés d'une matrice cyclique et ses applications à une équation fonctionnelle. 6333: (with Mitrinović, D. S.) Certaines inégalités où intervient la fonction puissance. 6464: (with Mitrinović, D. S.) Compléments au traité de Kamke. Note VIII. 6465: (with Mitrinović, D. S.) Compléments au traité de Kamke. IX. 6629: (with Mitrinović, Dragoslav S.) Sur certaines équations fonctionnelles dont les solutions générales peuvent être déterminées. 6070: (with Adamović, D. D. and Mitrinović, D. S.) Formule de décomposition d'une fraction rationnelle en éléments simples suivie de quelques applications.
- Dolapčev, Bl. 4581: (with Čobanov, Iv.) Flüssigkeitstransport, induziert von Wirbelstrassen. I.
- Doležal, Václav. 2161: (with Prokop, Josef and Vorel, Zdeněk) The theory of graphs in the analysis of electrical networks.
- Dolinskii, È. I. 4765: (with Biohineev, L. D. and Popov, V. S.) Analytic properties of non-relativistic graphs.
- Dolph, C. L. 5836: The extant nonlinear mathematical theory of plasma oscillations.
- Dolzenko, E. P. 1671: The rate of approximation by rational fractions and the properties of the functions. 6319: Bounds for derivatives of rational functions. 6658: Properties of functions of several variables which can be sufficiently closely approximated by rational functions.
- Domar, Yngve. 6588: On the uniqueness of minimal extrapolations.
- Dombrowski, Heinz Dieter. 2607: Fastautomorphe Funktionen zweiten Grades.
- Dominguez, A. González. *See González Dominguez, A.*
- Domokos, G. 1078: On the asymptotic behaviour of the vertex part in pseudoscalar meson theory. 2219: Analytical properties of the amplitude of elastic $\pi\pi$ scattering in the t -plane.

- Domilak, Ju. I.** 4010: On the theory of differential equations in a Banach space with constant unbounded operators.
- Doneghue, W. F., Jr.** 349: Remarks on potential theory.
- Dopp, J.** 1243: ★Logiques construites par une méthode de déduction naturelle.
- Dorn, J. E.** 2069: (with Campbell, J. D. and Simmons, J. A.) On the dynamic behavior of a Frank-Read source.
- Dorn, W. S.** 5991: Non-linear programming—a survey.
- Dorodnicyn, A. A.** 5745: The use of high-speed digital computers for solving of partial differential equations.
- Dorodnitsin, A. A. = Dorodnicyn, A. A.**
- Dorogovtsev, A. Ja.** 572: Some remarks on the extrapolation of processes generated by differential equations. 809: Remarks on random processes generated by certain differential equations.
- Doss, Raouf.** 2817: The integral of a generalized almost periodic function.
- Doss, S. A. D. C.** 7087: A note on consistency and asymptotic efficiency of maximum likelihood estimates in multi-parametric problems.
- Douglas, Jim, Jr.** 3212: A correction to my paper "Alternating direction iteration for mildly nonlinear elliptic difference equations". 7161: (with Gunn, James E.) Two high-order correct difference analogues for the equation of multidimensional heat flow.
- Dou Más de Xexas, A.** 7216: On the Saint-Venant problem for beams.
- Douriaux, Roger.** 1430: (with Kaufmann, Arnold) ★Les fonctions de la variable complexe. Théorie et applications au niveau de l'ingénieur.
- Dowidar, A. F.** 5322: Summability and interpolation polynomials. 523: (with Petersen, G. M.) Summability of subsequences. 1299: (with Petersen, G. M.) The distribution of sequences and summability.
- Dowker, C. H.** 4312: Mappings of proximity structures.
- Dowker, J. S.** 1079: Remarks on the limit $Z_2 \rightarrow 0$.
- Doyle, P. H.** 4323: (with Hocking, J. G.) Continuously invertible spaces. 6977: (with Hocking, J. G.) Dimensional invertibility.
- Dragan, Ja. P.** 803: (with Dubrov, Ja. A. and Mihallovskii, V. M.) On the theory of non-stationary stochastic processes.
- Drăganu, Mircea.** 4753: Considérations sur l'équation de Fokker-Planck pour un plasma complètement ionisé.
- Drăgălă, Pavel.** 4268: Congruences dont les deux nappes focales sont projectivement applicables. 4269: La théorie des surfaces et l'espace régi affine.
- Dragilev, M. M.** 2868: On the existence of a common basis for imbedded spaces of analytic functions. 5164: (with Čuhlova, O. P.) On the convergence of certain interpolation series.
- Dragoş, Lazare.** 1003: La théorie de l'aile mince en magnétohydrodynamique. I. 1004: La théorie de l'aile mince en magnétohydrodynamique. II. 7279: Théorie de l'aile mince en magnéto-aérodynamique.
- Drasin, P. G.** 3297: On stability of parallel flow of an incompressible fluid of variable density and viscosity. 2100: (with Howard, L. N.) The instability to long waves of unbounded parallel inviscid flow.
- Dressel, F. G.** 5229: (with Gergen, J. J.) Some nonlinear systems of differential equations equivalent to linear systems.
- Drimal, Miloslav.** 2339: A linear method of construction of error-correcting codes. 1910: (with Koutaky, Z.) Questions of obtaining random variables by means of counters.
- Driver, Rodney D.** 4008: A functional-differential system of neutral type arising in a two-body problem of classical electrodynamics.
- Drobot, S.** 4954: A note on continued fractions.
- Dros-Vincent, Philippe.** 2308: Équations de liaison pour certains types de théories déduites d'un lagrangien linéaire.
- Druță, Sanda.** 1350: Quelques observations sur l'algèbre d'un groupe fini.
- Dryden, H. L.** 7204: (with von Kármán, Th., co-editor) ★Advances in Applied Mechanics. Vol. 7.
- Dubins, Lester E.** 671: On extreme points of convex sets. 6346: (with Blackwell, David) Sharp bounds on the distribution of the Hardy-Littlewood maximal function. 7062: (with Blackwell, David) Merging of opinions with increasing information. 7008: (with Freedman, David A.) Random distribution functions.
- Dubinsky, E.** 5315: Factoring of second-order difference equations with periodic coefficients.
- Dubovikoff, A. Ja.** 2563: On the point sets of a given degenerate Jacobian matrix of infinitely differentiable mappings.
- Dubrov, Ja. A.** 803: (with Dragan, Ja. P. and Mihallovskii, V. M.) On the theory of non-stationary stochastic processes.
- Dück, Werner.** 7135: Abschätzung der Fortpflanzung der Ungenauigkeit der Daten in die Lösung bei linearen Gleichungssystemen und Matrixgleichungen.
- Duda, R.** 1859: On convex metric spaces. III. 6937: Two results concerning biconnected sets with dispersion points.
- Duddeck, H.** 4546: Das Randstörungsproblem der technischen Biegetheorie dünner Schalen in drei korrespondierenden Darstellungen.
- Dudley, R. M.** 3878: (with Randol, Burton) Implications of pointwise bounds on polynomials.
- Dudman, Jack.** 5672: (with Birnbaum, Allan) Logistic order statistics.
- Duff, G. F. D.** 6624: (with Ross, R. A.) Indefinite Green's functions and elementary solutions.
- Duffin, R. J.** 1024: The extremal length of a network. 1200: Cost minimization problems treated by geometric means. 1617: The maximum principle and biharmonic functions. 2792: The reciprocal of a Fourier series.
- Dugué, Daniel.** 4389: Intégration aléatoire.
- Duijvestijn, Adrianus Johannes Wilhelmus.** 2936: ★Electronic computation of squared rectangles.
- Duleau, Jacques.** 4474: Résolution d'un système d'équations polynomiales. Méthodes du prolongement analytique et des moindres carrés.
- Dulmage, A. L.** 135: (with Mendelsohn, N. S.) The exponent of a primitive matrix. 3721: (with Mendelsohn, N. S.) A remark on a result of Marvin Marcus.
- Dumitriță, Viorel.** 1813: Les espaces A_3 à groupe intransitif G_4 . 1814: Die Bestimmung der Räume A_3 mit transitiver Gruppe G_4 .
- Dumitrescu, D.** 4590: (with Ionescu, V. and Crăciun, C.) Die Strömung schwerer Flüssigkeiten mit freier Oberfläche in senkrechter Ebene. 5815: (with Ionescu, V. and Crăciun, C.) Étude unitaire du mouvement des fluides pesants à surface libre.
- Dunajský, L.** 2177: How do particles pass through the potential barrier in the tunnel effect? 3353: Amplitude and energy coefficients of reflected and refracted light.
- Duncan, Acheson J.** 869: Bulk sampling: problems and lines of attack.
- Duncan, F. G.** 2044: (with Hawkins, E. N.) Pseudo-code translation on multi-level storage machines.
- Dunićev, K. I.** 6884: Stratification of two-parameter families of straight lines in a higher-dimensional projective space.
- Dunton, M.** 6118: (with Chowla, S. and Lewis, D. J.) All integral solutions of $2^n - 7 = x^3$ are given by $n = 3, 4, 5, 7, 15$.
- Duquette, Alfred L.** 2424: (with Bateman, Paul T.) The analogue of the Pisot-Vijayaraghavan numbers in fields of formal power series.
- Durbin, J.** 4463: Efficient fitting of linear models for continuous stationary time series from discrete data. 5709: Trend elimination for the purpose of estimating seasonal and periodic components of time series.
- Duren, P. L.** 6900: Invariant subspaces of tridiagonal operators.
- Dutari, Norberto Cuesta.** See Cuesta Dutari, Norberto.
- Duthie, Lucette.** 2484: Sur une classe d'anneaux commutatifs.
- Duskevič, Ju. G.** 4262: On the slope of the chords of a curve and the slope of the rays of its contingent. 4263: On the determination of a surface by the support function.
- Duty, R. L.** 1555: A note on the Stokes phenomenon.
- Dwass, M.** 790: The distribution of linear combinations of random deviates of an interval.
- Dwinger, Ph.** 6093: ★Introduction to Boolean algebras. 6094: (with Yaqub, F. M.) Generalized free products of Boolean algebras with an amalgamated subalgebra.
- Dwyer, Paul S.** 3150: (with Schaeffer, Esther) Computation with multiple k -statistics.
- Dyatlov, I. T. = Djatlov, I. T.**
- Dyer, Eldon.** 5582: Chern characters of certain complexes.
- Dyk Thin', Lal.** See Lal Dyk Thin'.
- Dyke, Milton Van = Van Dyke, Milton.**
- Dynin, A. S.** 6344: n -dimensional elliptic boundary value problems with a single unknown function.
- Dynkin, E. B.** 5630: Some transformations of Markov processes.
- Dyson, Freeman J.** 1111: Statistical theory of the energy levels of

- complex systems. I. 1112: Statistical theory of the energy levels of complex systems. II. 1113: Statistical theory of the energy levels of complex systems. III. 3904: A Brownian-motion model for the eigenvalues of a random matrix.
 Diafarli, G. M. 540: On the convergence of Fourier series in term of a class of orthonormalized multiplicative systems.
 Diafarli, M. A. 1607: Boundary-value problems for quasi-linear, strongly elliptic systems.
 Diafarov, A. S. 354: Some generalizations of Bernstein's inequality for entire functions of finite degree. 5181: Some inequalities for entire functions of finite degree. 5336: On the degree of approximation of functions by a family of linear integral operators. 3904: (with Ibragimov, I. I.) An estimate for the derivative of an entire function of finite degree. 5182: (with Ibragimov, I. I.) Some inequalities for entire functions of finite degree in the norm of a generalized Lebesgue class. 5337: (with Gadiev, A. D. and Labaker, L. G.) The asymptotic value of the approximation of functions by a certain family of linear operators.
 Dianašja, G. A. 1410: Carleman's problem for the class of Gevrey functions.
 Diavatad, M. G. 490: Study of a mixed problem for an equation of fourth order with a small parameter.
 Djajalinskii, I. E. 2281: A diagram technique for evaluating transport coefficients in statistical physics at finite temperatures. 4729: (with Abrikosov, A. A. and Gor'kov, L. P.) ★Methods of quantum field theory in statistical physics.
 Dłotkiewicz, A. K. 2014: On the convergence of a process of integrating differential equations by means of a summation formula.
 Dirkhalian, M. M. 2622: Completion of an incomplete Malmquist system on the real axis. 2800: On the integral representation of certain orthogonal systems. 2801: On the completion of an incomplete system. 6425: Orthogonal systems of rational functions on the circle with a prescribed set of poles. 4111: (with Nersesyan, A. B.) Expansions in certain biorthogonal systems and boundary-value problems for differential equations of fractional order.
 Djuraev, T. D. 491: On equations of mixed composite type.
 Eagon, J. A. 161: (with Northcott, D. G.) Ideals defined by matrices and a certain complex associated with them. 2460: (with Northcott, D. G.) A note on the Hilbert functions of certain ideals which are defined by matrices.
 Eastham, M. S. P. 1709: On Hilbert transforms.
 Eaton, J. H. 5979: Erratum: "Discrete-time interrupted stochastic control processes".
 Etanowitz, T. A. 1718: On a two-dimensional integral equation with a fixed singularity. 2840: On an infinite system of non-linear singular integral equations.
 Eberlein, W. F. 4176: An integral over function space.
 Eckmann, B. 173: (with Kleisli, H.) Algebraic homotopy groups and Frobenius algebras.
 Edelen, D. G. B. 5777a: Extended functional variation. I. Invariance transformations. 5777b: Extended functional variation. II. On the Lagrangian class admitting a given invariance collection.
 Edelstein, L. A. 2187: On the one centre expansion of scattered distorted spherical and hyperspherical waves.
 Edelshtein, Michael. 5460: Secants and transversals. 6726: On predominantly contractive mappings. 4333: (with Herzog, F. and Kelly, L. M.) A further theorem of the Sylvester type.
 Eden, R. J. 7351: (with Challifour, J.) Regge surfaces and singularities in a relativistic theory.
 Edmonds, A. R. 1107: Unitary symmetry in theories of elementary particles: the reduction of products of representations of the groups U(3) and SU(3).
 Edrei, Albert. 328: (with Fuchs, Wolfgang H. J.) On meromorphic functions with regions free of poles and zeros.
 Edwards, C. H., Jr. 5553: Products of pseudo cells. 6941: (with Cantrell, J. C.) Almost locally polyhedral curves in Euclidean n-space.
 Edwards, D. A. 5413: On the representation of certain functionals by measures on the Choquet boundary.
 Edwards, S. F. 4731: (with Lenard, A.) Exact statistical mechanics of a
- one-dimensional system with Coulomb forces. II. The method of functional integration.
 Eells, James, Jr. 3075: (with Kuiper, Nicolaas H.) Manifolds which are like projective planes.
 Effros, Edward G. 4202: A decomposition theory for representations of C^* -algebras.
 Efimov, A. V. 4103: Linear methods of approximating certain classes of continuous periodic functions. 6671: Linear methods of approximating continuous periodic functions.
 Efimov, G. V. 3423: The Kemmer scalar symmetric model.
 Efimov, N. V. 1832: Impossibility of an isometric imbedding in Euclidean 3-space of certain manifolds with negative Gaussian curvature. 4: (with Zalgaller, V. A. and Pogorelov, A. V.) Aleksandr Danilovič Aleksandrov (on his fiftieth birthday).
 Efremov, V. A. 643: (with Il'yashenko, Ju. S.) Regular polygons in E^n .
 Eggan, L. C. 6214: (with Blair, R. L.) On the compactness of the structure space of a ring.
 Egli, Hans. 3962: Über vektorielle Differentialgleichungen erster Ordnung mit konstanten Koeffizienten.
 Ego, Michel. 2528: Structure des demi-groupes dont le treillis des sous-demi-groupes est modulaire ou semi-modulaire.
 Egorov, Ju. V. 433: Some problems in the theory of optimal control. 7470: Optimal control in a Banach space.
 Ehlers, Jürgen. 1177: (with Kundt, Wolfgang) Exact solutions of the gravitational field equations.
 Ehrenfeld, S. 3515: (with Ben-Tuvia, S.) The efficiency of statistical simulation procedures.
 Ehrenfeucht, Aniela. 2916: ★The curious cube. [TBD] (with Chang, C.-C.) A characterization of abelian groups of automorphisms of a simply ordering relation. 6946: (with Mostowski, A.) A compact space of models of first-order theories.
 Ehrenpreis, L. 486: Solutions of some problems of division. V. Hyperbolic Operators. 2735: The fundamental principle and some of its applications.
 Ehresmann, Charles. 6399: ★Catégories différentiables et géométrie différentielle.
 Eicker, F. 4390: Central limit theorems for families of sequences of random variables. 5685: Asymptotic normality and consistency of the least squares estimators for families of linear regressions.
 Edel'man, S. D. 5297: On the theory of general boundary-value problems for parabolic systems. 6600: Corrections to the paper "On fundamental solutions of parabolic systems. II". 6601: (with Matilieuk, M. I.) Fundamental matrices of solutions of second-order parabolic systems whose coefficients satisfy an integral Hölder condition.
 Edinov, M. I. 5070: (with Starostin, A. I.) Hall subgroups of a class of invariantly overlapping groups.
 Eidus, D. M. 2722: On the principle of limiting absorption.
 Eisenberg, S. 1882: (with Kuratowski, K.) A remark on duality. 6229: (with Moore, John C.) Limits and spectral sequences.
 Eilon, Samuel. 3530: FIFO and LIFO policies in inventory management.
 Eisenberg, M. 3863: (with Cantor, R. and Mandelbaum, E. M.) A theorem on Riemann integration.
 Eisenhart, Luther P. 2984: Generalized Riemannian geometry. II.
 Eisenstadt, B. M. 6604: Autocorrelations for Boolean functions of noise-like periodic sequences.
 Eisenstein, J. C. 2183: (with Ambler, E. and Schooley, J. F.) Traces of products of angular momentum matrices. II. Spherical basis.
 El Gazzaz, E. M. 1950: (with Meligy, A. S.) Expansions of Coulomb wave functions in terms of Bessel functions.
 Elin, M. V. 4094: (with Gorst, Ju. G.) On certain essential differences between the matrix and semi-continuous methods of series summation.
 Eliseev, V. K. 4516: (with Kovalevskii, V. A.) A study of a recognition algorithm for typed characters.
 Ellers, Erich. 640: (with Karzel, Helmut) Involtorielle Geometrien.
 Elliott, L. A. 2117: Shock fronts in two-dimensional flow.
 Ellis, David O. 2371: Remarks on the elementary symmetric functions. 2372: Remarks on the series-parallel condition in lattices.
 Ellis, H. W. 4162: (with Nakano, Hidegorō) Monotone functions on linear lattices.
 El'kin, M. I. 1581: On a solution of a classical oscillation problem.

- El'sogol'e, L. È. 5448: Estimation of the number of stationary points of dynamical systems having global first integral.
- Elston, E. 4472: (with Kok, P. J.) The evaluation of determinants.
- Eltermann, Heinz. 382: (with Igliisch, Rudolf) Über eine in der Theorie der Stromwendung auftretende Differentialgleichung.
- Elubaev, S. E. 4490: Solution of a boundary-value problem by an iteration method.
- Embleton, T. F. W. 2124: Mutual interaction between two spheres in a plane sound field.
- Emch, Gérard. 5856: (with Piron, Constantin) Symmetry in quantum theory.
- Emelianov-Yaroslavsky, L. B. 2043: (with Akushsky, I. Y.; Klyamko, E. K.; Linaky, V. S. and Monakhov, G. D.) Methods of speeding-up the operation of digital computers.
- Emmons, H. W. 4593: (with Lee, Shao-Lin) A study of natural convection above a line fire.
- Endler, Otto. 3732: Über einen Existenzsatz der Bewertungstheorie.
- Eng, R. C. 7160: (with Fyfe, I. M. and Young, D. M.) On the numerical solution of the hydrodynamic equations.
- Engeli, M. 3218: (with Ginsburg, Th.; Rutishauser, H. and Stiebel, E.) Refined iterative methods for computation of the solution and the eigenvalues of self-adjoint boundary value problems.
- Engelking, R. 733: On the Freudenthal compactification.
- Engelmann, Folker. 1149: Quantum mechanical treatment of electric microfield problems in plasmas.
- Englman, Robert. 4725: Adiabatic approximations and superconductivity theories.
- Enoch, Jacob. 4750: Nonlinearized theory of transverse plasma oscillations.
- Epstein, Bernard. 6550: ★Partial differential equations: An introduction.
- Epstein, D. B. A. 1867: Finite presentations of groups and 3-manifolds.
- Epstein, H. 7333: On the Borchers class of a free field.
- Epstein, Irving J. 1556: Periodic solutions of systems of differential equations.
- Erdélyi, A. 415: Singular perturbations. 557: ★Operational calculus and generalized functions. 1717: A result on non-linear Volterra integral equations. 2697: On a nonlinear boundary value problem involving a small parameter. 6481: Note on a paper by Titchmarsh. 364: (with Sneddon, I. N.) Fractional integration and dual integral equations.
- Erdélyi, Mária. 178: Systems of equations over non-commutative groups.
- Erdős, Pál = Erdős, Paul.
- Erdős, Paul. 2387: On the representation of large integers as sums of distinct summands taken from a fixed set. 2410: Remarks on number theory. I. 2411: Some remarks on number theory. II. 2412: Some remarks on number theory. III. 2779: Problems and results on the theory of interpolation. II. 2797: On trigonometric sums with gaps. 3035: On circuits and subgraphs of chromatic graphs. 3651: On the integers relatively prime to n and on a number-theoretic function considered by Jacobsthal. 3652: Some remarks on the functions φ and σ . 6061: On a combinatorial problem. 3036: (with Bollobás, Béla) Extremal problems in graph theory. 5563: (with Dirac, G.) On the maximal number of independent circuits in a graph. 1878: (with Gallai, Tibor) On the minimal number of vertices representing the edges of a graph. 6927: (with Hajnal, A.) On the topological product of discrete λ -compact spaces. 2586: (with Rényi, A.) On a problem of A. Zygmund. 3564: (with Rényi, A.) On the evolution of random graphs. 6863: (with Rogers, C. A.) Covering space with convex bodies. 71: (with Stein, Sherman) Sums of distinct unit fractions. 2388: (with Surányi, János) Bemerkungen zu einer Aufgabe eines mathematischen Wettbewerbs. 4093: (with Turán, P.) An extremal problem in the theory of interpolation.
- Eremin, I. I. 5069: Groups with finite classes of conjugate infinite subgroups.
- Erfurth, Horst. 1788: Zur Darstellenden Geometrie der Regelschraubenflächen des vierdimensionalen euklidischen Raumes.
- Ericson, T. 5899: A new technique in the statistical model of particle production.
- Eriksson, Folke. 4299: The relation between two generalizations of the notion "surface of curvature $\leq K$ ". 5518: Planes of curvature in Riemannian spaces.
- Eriksson, K. E. 4685: Partial summation of the perturbation expansion in high-energy quantum electrodynamics.
- Erimbetov, M. I. 954: The method of least squares in the theory of temperature stress.
- Erpenbeck, Jerome J. 2164: Two-reaction steady detonations.
- Erugin, N. P. 5219: Periodic and bounded solutions of the equations $\ddot{x} + p(t)x = 0$, $p(t+1) = p(t)$. 5220: On the radius of convergence of series representing the periodic solution of a linear system of differential equations as functions of parameters. 6363: On the theory of implicit functions.
- Esénine-Vol'pine, A. S. = Esenin-Vol'pin, A. S.
- Esenin-Vol'pin, A. S. 4905: Le programme ultra-intuitionniste des fondements des mathématiques.
- Eshelby, J. D. 2071: Dislocations in visco-elastic materials.
- Eskin, G. I. 5365: Boundary-value problems for equations with constant coefficients on the plane. 5306: General boundary-value problems for equations of principal type in two unknowns. 6594: A boundary-value problem for the equation $\partial/\partial t P(\partial/\partial t, \partial/\partial x)u = 0$, where $P(\partial/\partial t, \partial/\partial x)$ is an elliptic operator.
- Eskin, L. D. 5098: On the matrix elements of irreducible representations of the Lorentz group.
- van Est, W. T. 2539a: Local and global groups. I. 2539b: Local and global groups. II.
- Estermann, T. 1454: Another proof that bounded modular functions are constants.
- Estrin, G. 3234: (with Cantor, D. and Turn, R.) Logarithmic and exponential function evaluation in a variable structure digital computer. 4509: (with Cantor, D. G.; Fraenkel, A. S. and Turn, R.) A very high-speed digital number sieve.
- Etayo, José Javier = Etayo Miqueo, José Javier.
- Etayo Miqueo, José Javier. 6889: Note on the tangent space to a differentiable manifold.
- Etienne, J. 4037: (with Thiry, F.) Fonction de Green de l'opérateur métaharmonique pour les problèmes de Dirichlet ou de Neumann à l'intérieur d'un cercle ou d'une sphère.
- Ettinger, R. C. W. 5725: (with Denman, H. H.) Note on latent roots and vectors of segments of the Hilbert matrix.
- Euler, Leonhard. 4872: ★Opera omnia. Series tertia (Opera physica miscellanea epistolae), Vol. XIII: Lettres à une princesse d'Allemagne. Vol. posterior.
- Eustice, Dan J. 2902: Non-summable partial sums of orthogonal series.
- Evans, D. J. 5754: The solution of elliptic difference equations by stationary iterative processes.
- Evans, L. 3425: (with Feldman, G. and Matthews, P. T.) Gauge invariance and renormalization constants.
- Evans, Melbourne G. 1188: The relativity of simultaneity: a critical analysis.
- Everitt, W. N. 1534: A note on the self-adjoint domains of second-order differential equations. 3844: On an inequality for the generalized arithmetic and geometric means. 5002: Two theorems in matrix theory.
- Evvitt, A. A. 3499: Co-ordinate conditions from variational principles.
- Evgrafov, M. A. 2590: On the structure of Dirichlet series which are bounded on the real axis. 348: (with Arison, I. S.) On the growth of functions, harmonic in a cylinder and bounded on its surface together with the normal derivative. 2629: (with Arison, I. S.) On the growth of harmonic functions of three variables.
- Evtigneev, V. G. 3871: Some properties of averaged functions.
- Evtukh, L. E. 5101: On a construction of invariant forms and structural equations of infinite groups.
- Ewald, Günter. 654: Translationsgruppen in verallgemeinerten dreidimensionalen projektiven Räumen.
- Ewald, P. P. 6262: (with Bienenstock, Arthur) Symmetry of Fourier space.
- Ewens, W. J. 5644: (with Finch, P. D.) A generalized single-server queue with Erlang input.
- Eymard, Pierre. 6305: L'algèbre de Fourier d'un groupe localement compact.

- Ezawa, H. 1080: (with Kikkawa, K. and Umezawa, H.) A formulation for the bound-state problems.
- Ezeilo, J. O. C. 418: A boundedness theorem for a certain third-order differential equation. 1574: On the boundedness and the stability of solutions of some differential equations of the fourth order. 2690: Further results for the solutions of a third-order differential equation.
- Eurohi, T. G. 3891: On some classes of p -valent functions.
- F., E. G.-Rodeja. See G.-Rodeja F., E.
- Fabens, Augustus J. 828: (with Karlin, Samuel) Generalized renewal functions and stationary inventory models.
- Fabian, Václav. 5699: On multiple decision methods for ranking population means.
- Fabricius-Bjerre, Fr. 2927: A theorem on closed polygons in the projective plane. 4224: On polygons of order n in projective n -space, with an application to strictly convex curves.
- Fabula, A. G. 2082: Thin-airfoil theory applied to hydrofoils with a single finite cavity and arbitrary free-streamline detachment.
- Faddeev, L. D. 7328: The inverse problem in the quantum theory of scattering. 4654: (with Minlos, R. A.) On the point interaction for a three-particle system in quantum mechanics.
- Faddeyev, L. D. = Faddeev, L. D.
- Fadini, Angelo. 6190: Forma canonica delle matrici Booleane.
- Fain, V. M. 3468: Quantum theory of relaxation process.
- Fairlie, D. B. 4694: Anodes on unphysical sheets.
- Faith, Carl. 4991: On a theorem of Tsen. 5020: Rings with minimum condition on principal ideals. II. 6206: Strongly regular extensions of rings.
- Falzibaev, È. F. 3984: On the construction of non-stationary solutions for certain oscillatory systems. 3985: On the problem of constructing stationary solutions for certain oscillatory systems with one degree of freedom. 5216: On the oscillations of systems which are close to being exactly integrable.
- Falb, Peter L. 1317: On the behaviour of the geometric genus under ground field extension. 1318: (with Zariski, Oscar) On differentials in function fields.
- Falgas, Maurice. 591a: Sur certains espaces vectoriels de fonctions entières. 591b: Sur certains espaces vectoriels de fonctions entières.
- Falkoff, A. D. 5770: Algorithms for parallel-search memories.
- Farnell, D. L. 1138: Master equations and H -theorems.
- Fan, Le-le. 1452: (with Shah, Dao-shing) On the parametric representation of quasi-conformal mappings.
- Fano, U. 4767: High-frequency limit of Bremsstrahlung in the Sauter approximation.
- Faris, J. A. 6037: ★Truth-functional logic.
- Farkas, I. F. 4681: Relativistic equation of motion for a charged particle with spin and magnetic moment. I. Translational equation of motion. 4682: Relativistic equation of motion for a charged particle with spin and magnetic moment. II. Equation of motion of spin.
- Farkas, M. 5515: Discussion of the geometry of affinely connected spaces by direct method.
- Farrell, Edward J. 4800: Uniqueness of the electromagnetic field in the Rainich unified field theory.
- Fass, A. L. 4990: (with Amir-Moéz, A. R.) ★Elements of linear spaces.
- Faulkner, Frank D. 1263: Determining optimum ship routes.
- Faulkner, J. S. 2248: Constructing the spin Hamiltonian for an N -electron system.
- Faure, Robert. 1533: Étude de certains systèmes d'équations différentielles à coefficients périodiques. Solutions périodiques voisines des positions d'équilibre et applications.
- Faust, Claude Marie. 3911: On the boundary behavior of holomorphic functions in the unit disk.
- Faystov, R. N. 1083: (with Arbusov, B. A.; Logunov, A. A. and Tavkhelidze, A. N.) The asymptotic behaviour of the scattering amplitudes and the renormalisation group method. 1091: (with Arbusov, B. A.; Logunov, A. A.; Tavkhelidze, A. N. and Filipov, A. T.) Regge poles and perturbation theory.
- Fava, Franco. 762: Connessioni subordinate e derivazione assoluta. 2963: Geometria delle V_n in uno spazio proiettivo curvo.
- Fedenko, N. P. 5713: (with Krylov, V. I.) Approximate representation of the integral $\int_0^\infty x^{\alpha} e^{-x} f(x) dx$ by mechanical quadrature containing the value $f(0)$.
- Federico, P. J. 2926: Note on some low-order perfect squared squares.
- Fedorenko, R. P. 5739: Application of high-accuracy difference schemes to the numerical solution of hyperbolic equations.
- Fedorjuk, M. V. 4101: The stationary phase method for multiple integrals.
- Fedorov, F. I. 2287: Parametrization of the Lorentz group. 3788: Certain properties of a Lorentz matrix. 229: (with Boguš, A. A.) An invariant expression for a Lorentz matrix transforming one vector into another. 3488: (with Boguš, A. A.) On the transformation of four-dimensional vectors.
- Fedorov, V. A. 7176: Methods of program automation on computers.
- Feferman, Solomon. 22: Classifications of recursive functions by means of hierarchies. 4913: Arithmetization of metamathematics in a general setting. 2361: (with Kreisel, G. and Orey, S.) 1-consistency and faithful interpretations.
- Fehlberg, Erwin. 3193: Numerisch stabile Interpolationsformeln mit günstiger Fehlerfortpflanzung für Differentialgleichungen erster und zweiter Ordnung.
- Feinberg, E. L. 1035: †On the "fundamental rôle" of electromagnetic potentials in quantum mechanics.
- Feinberg, G. 1069: (with Weinberg, S.) On the phase factors in inversions.
- Feit, Walter. 192: (with Thompson, John G.) Finite groups which contain a self-centralizing subgroup of order 3. 1352: (with Thompson, John G.) A solvability criterion for finite groups and some consequences.
- Fejes Tóth, L. 2942: On primitive polyhedra.
- Feldman, David. 7326: (with Kowalski, K. L.) Transition matrix for nucleon-nucleon scattering. II.
- Feldman, Dorian. 3154: Contributions to the "two-armed bandit" problem.
- Feldman, G. 3425: (with Evans, L. and Matthews, P. T.) Gauge invariance and renormalization constants.
- Feldman, Ja. S. 6391: On certain extremal domains connected with univalent functions.
- Feldman, Jacob. 612: On the functional calculus of an operator measure. 4409: On measurability of stochastic processes in products space.
- Feldman, N. I. 1284: Transcendental numbers with an approximation of given type.
- Feldt, Leonard S. 878: The use of extreme groups to test for the presence of a relationship.
- Fell, Harriet. 6264: (with Newman, Morris and Ordman, Edward) Tables of genera of groups of linear fractional transformations.
- Fell, J. M. G. 4201: The dual spaces of C^* -algebras.
- Fellegi, Ivan P. 3162: Sampling with varying probabilities without replacement rotating and non-rotating samples.
- Feller, Edmund. 6211: Factorization and lattice theorems for a bounded principal ideal domain.
- Feller, William. 829: A simple proof for renewal theorems. 1906: Some new connections between probability and classical analysis.
- Fenster, Stanley. 7355: An investigation of Coulomb scattering amplitudes in the complex angular momentum plane.
- Fényes, T. 3372: (with Kosik, P.) Sur les systèmes des barres conductrices de la chaleur.
- Ferguson, John D. 7451: (with Baum, Leonard E. and Katz, Melvin) Infinitely repeated matrix games for which pure strategies suffice.
- Ferguson, Rolfe P. 2408: An application of Stieltjes integration to the power series coefficients of the Riemann zeta function.
- Ferguson, Thomas S. 840: A representation of the symmetric bivariate Cauchy distribution.
- Ferrari, C. 984: (with Tricomi, F.) ★Aerodinamica transsonica.
- Ferrero, Giovanni. 3769: Catene principali e derivati nei gruppi di range due.
- Ferig, Margareta. 1585: Sur le comportement des intégrales des équations différentielles linéaires à coefficients constants qui dépendent d'un paramètre.
- Fedchenko, S. F. 398: (with Škil', N. I.) Asymptotic solution of a system of linear differential equations with small parameter multiplying the derivatives.

- Few, L. 2399: Average distances between points in a square.
- Fichera, G. 3876: Tensorial measures and homology on a compact differentiable manifold. 6894: k -misure su una varietà differenziabile.
- Fickler, S. I. 7349: (with Arnowitt, R. L.) Quantization of the Yang-Mills field.
- Fieber, H. 4523: Zu den Lagrange'schen Lösungen des n -Körperproblems. II.
- Fiedler, Miroslav. 134: (with Pták, Vlastimil) On matrices with non-positive off-diagonal elements and positive principal minors. 4187: (with Pták, Vlastimil) Generalized norms of matrices and the location of the spectrum.
- Fieger, Werner. 5127: ★Über einige Verallgemeinerungen der Riemann-Stieltjes-Integrale auf Matrixfunktionen.
- Fielder, Daniel C. 5363: (with Bush, Aubrey M.) An alternative derivation of the Z-transform.
- Fields, Jerry L. 6446: (with Luke, Yudell L.) Asymptotic expansions of a class of hypergeometric polynomials with respect to the order.
- Fields, R. I. 4438: (with Kramer, C. Y. and Clunies-Ross, C. W.) Joint estimation of the parameters of two normal populations.
- Fiering, Myron B. 7088: On the use of correlation to augment data.
- Fierz, M. 2264: Beispiel einer lösbareren Feldtheorie.
- de Figueiredo, Djairo Guedes. 6578: The coerciveness problem for forms over vector valued functions.
- de Figueiredo, Rui Pacheco. 1562: Existence and uniqueness of the periodic solution of an equation for autonomous oscillations.
- Filatev, A. N. 1597: An algorithm for solving the Cauchy problem for first-order partial differential equations.
- Filipov, A. T. 1091: (with Arbusov, B. A.; Logunov, A. A.; Tavkhelidze, A. N. and Faustov, R. N.) Regge poles and perturbation theory.
- Filippov, A. F. 7469: On certain questions in the theory of optimal control.
- Filippov, B. V. 3473: (with Vallander, S. V. and Gurumzova, È. A.) Integral kinetic equations for an arbitrary conservative field of external mass forces.
- Filonenko-Borodil, M. M. 4531: On the plane problem for a wedge.
- Filonenko-Borodil, M. M. = Filonenko-Borodil, M. M.
- Finch, P. D. 5844: (with Ewens, W. J.) A generalized single-server queue with Erlang input.
- Fine, N. J. 732: (with Gillman, L.) Remote points in βR .
- Finikov, S. = Finikov, S. P.
- Finikov, S. P. 689: Une surface de Voss à 6 dimensions dont le sous-espace osculateur est à 9 dimensions.
- Finkelstein, D. 259: (with Jauch, J. M. and Speiser, D.) Quaternionic representations of compact groups.
- Finkelstein, Robert. 2228: Spinor fields in spaces with torsion. 5901: (with Ramsay, W.) The weak and the strong couplings and general covariance.
- Finney, D. J. 3156: The transformation of a distribution under selection. 7077: Cumulants of truncated multinormal distributions.
- Finzi, B. 1190: Moto delle singolarità nei campi gravitazionali einsteiniani.
- Floranza, Renato. 6733: Teoremi di interpolazione per trasformazioni tra spazi di funzioni con derivate hölderiane.
- Firescu, D. 7021: (with Mihoc, G.) Généralisation de quelques processus stochastiques.
- Fischer, G. 4547: Über den Einfluss der gekrümmten Lagerung auf die Stabilität dünnwandiger Kreiszylinderschalen unter Axiallast und Innendruck.
- Fischer, Hans Rudolf. 6292: ★Zur Komplettierung topologischer Gruppen.
- Fisher, Michael E. 5907: Solution of a combinatorial problem—intermediate statistics.
- Fisher, Ronald A. 3135: The simultaneous distribution of correlation coefficients. 7110: Some examples of Bayes' method of the experimental determination of probabilities a priori.
- Fisher, Vera J. 364: (with Davis, Harold T.) ★Tables of the mathematical functions. Vol. III: Arithmetical tables.
- Fisz, Marek. 802: On the orthogonality of measures induced by L -processes. 3907: On the continuity of the L -distribution functions. 6998: ★Wahrscheinlichkeitsrechnung und mathematische Statistik.
- Fitzgerald, J. 6449: (with Varadarajan, V. S.) A condition for absolute continuity of infinitely divisible distribution functions.
- Flitak, J. 736: Eine universelle Klasse uniformer Räume. 5534: Über halbstetige Zerlegungen topologischer Räume.
- Fladt, K. 657: Die ebenen Korrelationen in der hyperbolischen Geometrie. 6832: ★Analytische Geometrie spezieller ebener Kurven.
- Flanders, Harley. 2562: On certain functions with positive definite Hessian.
- Flatte, Leopold. 4376: (with Konheim, Alan G.) The random division of an interval and the random covering of a circle.
- Fleck, A. C. 6022: Isomorphism groups of automata.
- Fleishman, B. A. 7293: Wave propagation in non-simple media.
- Fleming, W. H. 1638: Some Markovian optimization problems.
- Fletcher, A. 365a: (with Miller, J. C. P.; Rosenhead, L. and Comrie, L. J.) ★An index of mathematical tables. Vol. I: Introduction. Part I: Index according to functions. 365b: (with Miller, J. C. P.; Rosenhead, L. and Comrie, L. J.) ★An index of mathematical tables. Vol. II. Part II: Bibliography. Part III: Errors. Part IV: Index to Introduction and Part I.
- Fletcher, John E. 6328: (with Struble, Raimond A.) General perturbational solution of the Mathieu equation.
- Fletcher, John G. 1185: Geometrodynamics. 2291: Initial value data for Poisson brackets in general relativity.
- Flett, T. M. 6635: Continuous solutions of the functional equation $f(x+y)+f(x-y)=2f(x)f(y)$.
- Florian, Helmut. 6860: Zu einer Vermutung von L. Fejes Tóth.
- Florides, P. S. 2293: (with Syngs, J. L.) The gravitational field of a rotating fluid mass in general relativity.
- Floyd, E. E. 768: (with Conner, P. E.) Fixed point free involutions and equivariant maps. II.
- Flügge, S. 2172: (with Weiguny, A.) Der Grenzübergang zum starren Körper für das quantenmechanische Dreikörperproblem. 2240: (with Diehl, H.; Schröder, U.; Völkel, A. and Weiguny, A.) Zum quantenmechanischen Dreikörperproblem. I. Grundlagen.
- Foata, Dominique C. 1976: Sur la construction des plans factoriels fractionnés et certains codes correcteurs à l'aide des caractères des groupes abéliens.
- Focke, Joachim. 2335: Distributionen und Heaviside-Kalkül.
- Fodtuk, V. I. 4005: Some existence and uniqueness theorems for differential equations with retarded argument. 4006: On the construction of asymptotic solutions for non-stationary differential equations with retarded argument and with small parameter. 6548: On the construction of stationary solutions for quasilinear equations with lagging argument.
- von Foerster, Heinz. 6018: (with Pask, Gordon) A predictive model for self organizing systems.
- Fogels, È. K. 99: On the distribution of analogues of primes. 4969: On the abstract theory of prime numbers.
- Foglio, Susana = de Foglio, Susana Fernández Long.
- de Foglio, Susana Fernández Long. 3868: Absolute N -integration.
- Foguel, S. R. 1928: Markov processes with stationary measure. 3120: Existence of invariant measures for Markov processes. 6769: Computations of the multiplicity function.
- Fohr, A. S. 1488: On the growth near the boundary of a polyharmonic function and its derivatives which are prescribed on a circle. 5178: Some estimates near the boundary of the domain for a polyharmonic function and its derivatives prescribed on an N -dimensional domain.
- Foias, C. 610: Remarques sur les semi-groupes distributions d'opérateurs normaux. 2888: Sur une propriété de non-analyticité des semi-groupes d'opérateurs isométriques. 2889: Some contraction semigroups associated with the representation of convolution algebras. I. 5311: Essais dans l'étude des solutions des équations de Navier-Stokes dans l'espace. L'unicité et la quasi-périodicité des solutions "petites". 506: (with Dinculeanu, N.) Sur la représentation intégrale des certaines opérations linéaires. IV. Opérations linéaires sur l'espace L_2^p . 623: (with Kovács, I.) Une caractérisation nouvelle des algèbres de von Neumann finies. 613: (with Sz.-Nagy, B.) Remark to the preceding paper of J. Feldman. 2590: (with Sz.-Nagy, Béla) Sur les contractions de l'espace de Hilbert. V.

- Translations bilatérales. 2391: (with Sz.-Nagy, Béla) Sur les contractions de l'espace de Hilbert. VI. Calcul fonctionnel. 6781: (with Sz.-Nagy, Béla) Modèles fonctionnels des contractions de l'espace de Hilbert. La fonction caractéristique. 6782: (with Sz.-Nagy, Béla) Propriétés des fonctions caractéristiques, modèles triangulaires et une classification des contractions de l'espace de Hilbert.
- Foiaş, Ciprian = Foias, Ciprian.
- Fok, V. A. 2174: Criticism of an attempt to disprove the uncertainty relation between time and energy. 2285: Kinematic and gravitational effects of variation of time.
- Fokker, A. D. 6109: Multiple antinomies.
- Folks, John Leroy. 3151: (with West, Del Lon) Note on the missing plot procedure in a randomized block design.
- Fomenko, O. M. 2415: Two hypotheses in the theory of prime numbers.
- Fomenko, V. T. 5526: (with Barbin, G. S.) The bending of surfaces of positive curvature under certain boundary conditions.
- Fomin, S. V. 4493: (with Mal'kov, E. V.) Measures in a function space and difference schemes.
- Fonda, L. 2218: (with Radicati, L. A. and Regge, T.) Mandelstam representation for the nonrelativistic many channel problem.
- Forbat, N. 2053: Sur une condition suffisante de stabilité du mouvement d'un système non linéaire. 6505: (with Huaux, A.) Détermination approchée et stabilité locale de la solution périodique d'une équation différentielle non linéaire.
- Ford, K. W. 3420: Possible mechanism of very high-energy resonances.
- Forelli, Frank. 1743: Invariant subspaces in L^1 . 3340: The Marcel Riesz theorem on conjugate functions.
- Förste, J. 4585: Stationäre Ausbreitung eines laminaren Strahls einer zähen, inkompressiblen Flüssigkeit aus einer kreisförmigen Öffnung in einem Halbraum bei kleiner Reynolds-Zahl.
- Fort, Jacques. 160: Radical tertiaire d'un sous-module et sous-modules tertiaires, dans un module sur un anneau non nécessairement commutatif.
- Fort, M. K., Jr. 3030: Homogeneity of infinite products of manifolds with boundary.
- Forte, Bruno. 2873: Sulla convergenza delle medie temporali nella teoria ergodica dei fenomeni non stazionari. 6353: Processi ergodici non stazionari e loro proprietà. 5912: (with Strocchi, Franco) A solution of the restricted ergodic problem in statistical mechanics.
- Fortet, R. 4816: Fixed-point theorems in dynamic programming.
- Fosdick, Lloyd D. 4728: Numerical estimation of the partition function in quantum statistics.
- Fosdick, R. L. 3265: (with Shield, R. T.) Small bending of a circular bar superposed on finite extension or compression.
- Foster, Manus. 3178: An application of the Wiener-Kolmogorov smoothing theory to matrix inversion.
- Foulis, David J. 6088: A note on orthomodular lattices.
- Foulkes, H. O. 6239: On Redfield's group reduction functions.
- Fowler, M. 3433: Introduction to momentum space integration techniques in perturbation theory. 7338: Second-type singularities in perturbation theory.
- Fox, Charles. 5371: Integral transforms based upon fractional integration.
- Fox, David W. 464: (with Bazley, Norman W.) Truncations in the method of intermediate problems for lower bounds to eigenvalues. 465: (with Bazley, Norman W.) Lower bounds for eigenvalues of Schrödinger's equation. 1998: (with Bazley, Norman W.) A procedure for estimating eigenvalues. 5724: (with Bazley, Norman W.) Lower bounds to eigenvalues using operator decompositions of the form B^*B . 3366: (with Magnus, Wilhelm) Perturbation method in a problem of waveguide theory.
- Fox, L. 4488: (Editor) ★Numerical solution of ordinary and partial differential equations.
- Fox, Ralph H. 4348: (with Crowell, Richard H.) ★Introduction to knot theory.
- Fraboul, François. 5732: Stabilisation d'une méthode d'intégration numérique des équations différentielles du premier ordre. 5735: Ordres des méthodes d'intégration numérique des équations différentielles.
- Fraenkel, Aviezri S. 2393: On a theorem of D. Ridout in the theory of Diophantine approximations. 4509: (with Cantor, D. G.; Estrin, G. and Turn, R.) A very high-speed digital number sieve.
- Fraenkel, L. E. 963: On corner eddies in plane inviscid shear flow. 7256: Laminar flow in symmetrical channels with slightly curved walls. I. On the Jeffery-Hamel solutions for flow between plane walls. 7257: Laminar flow in symmetrical channels with slightly curved walls. II. An asymptotic series for the stream function.
- Frajese, Attilio. 6628: ★Attraverso la storia della matematica.
- Frank, Evelyn. 2765: On continued fraction expansions for binomial quadratic surds. II.
- Frank, Werner L. 2001: Finding zeros of arbitrary functions. 5197: (with Newman, J. N.) An integral containing the square of a Bessel function.
- Frank-Kameneckii, D. A. 7286: (with Demidov, V. D. and Jakimenko, V. L.) Magnetic sound in a hot plasma. I. Propagation across the magnetic field and dissipation due to collisions.
- Frank-Kamenetskii, D. A. = Frank-Kameneckii, D. A.
- Frankl, F. I. 2107: On existence of "weak"-stable stationary transonic flows with shock waves close to unstable continuous flows (formulation of the problem). 4069: Investigation of the Cauchy problem and formulation of a boundary-value problem for a system of equations describing plane-parallel flow of a viscous, heat-conducting gas.
- Franklin, Joel N. 7125: Deterministic simulation of random processes.
- Franklin, R. N. 7310: (with Bryant, G. H.) The scattering of a plane wave by a bounded plasma.
- Franzak, E. 4766: (with Bailyn, M.) Multiphonon processes occurring in first-order perturbation theory.
- Frasnay, Claude. 2450: Note sur le prolongement de certaines égalités matricielles. 4342: Sur des fonctions d'entiers se rapportant au théorème de Ramsey.
- Frayne, T. 28: (with Morel, A. C. and Scott, D. S.) Reduced direct products.
- Fréchet, Maurice. 1411: Sur la comparaison des rares réactions. 3541: Encore sur l'évanouissement d'un wronskien.
- Frederick, Karen N. 6948: The Hopfian property for a class of fundamental groups.
- Frediani, Luis M. 4453: (with Carranza, Roque G.) ★Applications of modern algebra to statistical inference.
- Freedman, David A. 838: Les propriétés asymptotiques de solutions de Bayes; cas discret. 4435: Poisson processes with random arrival rate. 7008: (with Dubins, Lester E.) Random distribution functions.
- Freeman, D. N. 3554: (with Soehu, S.) The diagnosis of asynchronous sequential switching systems.
- Freeny, Anne E. 1956: (with Wilk, M. B. and Gnanadesikan, R.) Estimation of error variance from smallest ordered contrasts.
- Frey, T. = Frey, T.
- Fridlin, M. I. 3111: Ito's stochastic equations and degenerate elliptic equations.
- Freiman, C. V. 2639: Statistical analysis of certain binary division algorithms. 6667: Optimal error detection codes for completely asymmetric binary channels.
- Freiman, G. A. 2420: Inverse problems of additive number theory. VII. The addition of finite sets. IV. The method of trigonometric sums.
- Frenkel, Jean. 5592: (with Norguet, François) Sur la cohomologie à coefficients complexes des variétés de Stein.
- Frenet, G. H. 6925: (with Holloway, A. H., co-editor) ★AGARD aeronautical multilingual dictionary.
- Freud, G. 4115: Über die $(C, 1)$ -Summen der Entwicklungen nach orthogonalem Polynom. 5327: Über die Konvergenz im Mittel von Lagrangeschen Interpolationspolynomfolgen.
- Freudenthal, A. M. 7234: (with Spillers, W. R.) Solutions for the infinite layer and the half-space for quasi-static consolidating elastic and viscoelastic media.
- Freudenthal, Hans. 5598: Models in applied probability.
- Freund, Peter G. O. 5890: (with Oehme, Reinhard) Lower bound for the leading Regge trajectory.
- Frey, T. 6460: Sur un théorème de Korous. 6651: Conditions of

- convergence of interpolation sequences corresponding to normal sequences of nodes. Proof of a conjecture of Erdős and Turán.
- Freyd, Peter. 3756: Relative homological algebra made absolute.
- Fried, H. M. 4674: Axiomatic perturbation theory for retarded functions. 5898: Axiomatic perturbation theory. II. Partial sum formalism.
- Friedlander, F. G. 435: On the radiation field of pulse solutions of the wave equation.
- Friedlander, Gerhart. 4772: (with Segrè, Emilio and Meyerhof, Walter E., co-editors) ★Annual review of Nuclear Science. Vol. 12.
- Friedman, Avner. 1624: Regularity of fundamental solutions of hyperbolic equations. 1626: Free boundary problems for parabolic equations. I. Melting of solids. 1627: Free boundary problems for parabolic equations. II. Evaporation or condensation of a liquid drop. 1628: Free boundary problems for parabolic equations. III. Dissolution of a gas bubble in liquid. 1629: Remarks on Stefan-type free boundary problems for parabolic equations. 4045: The Cauchy problem in several time variables. 5285: A difference-differential scheme for the general Cauchy problem. 6588: Existence of smooth solutions of the Cauchy problem for differential systems of any type.
- Friedman, Joyce. 4892: A semi-decision procedure for the functional calculus. 6021: A decision procedure for computations of finite automata.
- Friedman, Manfred P. 2115: A simplified analysis of spherical and cylindrical blast waves.
- Friedman, Milton. 875: The interpolation of time series by related series.
- Friedman, Shmuel. 1924: On stochastic approximations.
- Friedrichs, K. O. 7340: (with Galindo, A.) On the wave function renormalization in a simple model. 1776: (with Rejto, P. A.) On a perturbation through which a discrete spectrum becomes continuous.
- Froda, Alexandru. 2452: Properties of isogonal systems of a unitary space. 3707: Systèmes isogonaux d'un espace euclidien.
- Froda-Schechter, Micheline. 1262: Étude d'une propriété des translations d'ensembles.
- Fröhlich, A. 1346a: Non-Abelian homological algebra. I. Derived functors and satellites. 1346b: Non-Abelian homological algebra. II. Varieties. 1346c: Non-Abelian homological algebra. III. The functors EXT and TOR. 3701: On non-ramified extensions with prescribed Galois group.
- Froissart, Marcel. 5862: Complex angular momenta in potential scattering.
- Frolík, Z. 3002: A contribution to the descriptive theory of sets and spaces. 5538: Locally G_δ -spaces. 5539a: Relations of completeness. 5539b: Internal characterizations of topologically complete spaces in the sense of E. Čech.
- Frolov, N. A. 6311: ★Theory of functions of a real variable.
- Fronsdal, Christian. 3374: (Editor) ★Weak interactions and topics in dispersion physics.
- Frontera Marqués, Bartolomé. 4944: A numerical function on finite lattices which vanishes on reducible lattices.
- Fruchter, Benjamin. 583: (with Anderson, Harry E., Jr.) Geometrical representation of two methods of linear least squares multiple correlation.
- Fu, Y. 6015: (with Yau, S. S.) A note on the reliability of communication networks.
- Fubini, Sergio. 4696: (with Amati, Daniele) Dispersion relation methods in strong interactions.
- Fuchs, Klaus. 3382: Über einige Probleme in der Theorie der Symmetriecharakteren.
- Fuchs, Wolfgang H. J. 328: (with Edrei, Albert) On meromorphic functions with regions free of poles and zeros.
- Führken, Gebhard. 3666: Bemerkung zu einer Arbeit E. Engelers.
- Fujikata, Kunihisa. 594: (with Miyazaki, Ken-ichi) On a space of distributions with support in a closed subset.
- Fujimoto, Mitsuaki. 2314: On the structure of galactic spiral arms. 2315: (with Ōki, Tosio and Hitotuyanagi, Zyuiti) Magnetogravitational theory of galaxy.
- Fujisaki, Genjirō. 6175: On the differential forms on algebraic groups.
- Fujita, Emiko. 2246: (with Usui, Tunemaru) Excitations in a high density electron gas. II. Diamagnetism.
- Fujita, Hireshi. 495: (with Kato, Tosio) On the nonstationary Navier-Stokes system.
- Fujita, S. 7384: Theory of transport coefficients. III. Quantum statistical systems.
- Fujitani, Tamehiro. 1172: (with Ikeda, Mineo and Matsumoto, Makoto) On the imbedding of the Schwarzschild space-time. I. 1173: (with Ikeda, Mineo and Matsumoto, Makoto) On the imbedding of the Schwarzschild space-time. II. 1174: (with Ikeda, Mineo and Matsumoto, Makoto) On the imbedding of the Schwarzschild space-time. III.
- Fujito, Iwami. 475: Cauchy problem of second ordered partial differential equations of hyperbolic type.
- Fuka, Jaroslav. 2660: Solution of the second boundary-value problem of elasticity in an eccentric annulus for an incompressible solid.
- Fukui, Hiroshi. 4836: (with Sawaragi, Yoshikazu) Synthesis of finite-settling-time systems under integrated-square error criterion. 4837: (with Sawaragi, Yoshikazu) Statistical synthesis of "complete" finite-settling-time systems.
- Fulkerson, D. R. 5981: A network flow computation for project cost curves. 4935: (with Ryser, H. J.) Multiplicities and minimal widths for $(0, 1)$ -matrices. 6068: (with Ryser, H. J.) Width sequences for special classes of $(0, 1)$ -matrices.
- Fuller, A. T. 2346: Optimization of non-linear control systems with random inputs. 7466: Bibliography of optimum non-linear control of determinate and stochastic-definite systems.
- Fuller, F. Brock. 4002: Periodic trajectories of a one-parameter semigroup.
- Fuller, Robert W. 2292: (with Wheeler, John A.) Causality and multiply connected space-time.
- Fullerton, R. E. 289: Prime ends for open subsets of two dimensional manifolds. I. 290: Generalized length and an inequality of Cesari for surfaces defined over two-manifolds. 2581: The Cesari-Cavalieri area of a surface. 5401: Geometric structure of absolute basis systems in a linear topological space.
- Fulton, T. 3493: (with Rohrlich, F. and Witten, L.) Physical consequences of a co-ordinate transformation to a uniformly accelerating frame. 3494: (with Rohrlich, F. and Witten, L.) Conformal invariance in physics.
- Funtakov, V. N. 1539: Expansion in eigenfunctions of a non-self-adjoint differential operator of arbitrary even order on the semi-axis $[0, \infty]$. I.
- Furstenberg, Harry. 3820: A Poisson formula for semi-simple Lie groups.
- Furuichi, Susumu. 2220a: Dispersion theoretic treatment for nucleon-nucleon scattering at large impact parameter. 2220b: Errata: "Dispersion theoretic treatment for nucleon-nucleon scattering at large impact parameter".
- Furukawa, Nagata. 4448: The inference theory in multivariate random effect model. I.
- Furuta, Yoshiomi. 1302: On meta-abelian fields of a certain type.
- Fyfe, I. M. 7160: (with Eng, R. C. and Young, D. M.) On the numerical solution of the hydrodynamic equations.
- Gabelman, Irving J. 3229: The synthesis of Boolean functions using a single threshold element.
- Gabib-zade, A. S. 335: On a Riemann-Hilbert problem for the unit circle.
- Gabovšč, E. 1373: Partially ordered groups with no non-trivial convex subgroups. 1374: Partially ordered Ω -groups.
- Gabriel, Helmut. 3437: Zur Kritik an der Theorie der Nichtgleichgewichtsprozesse nach Prigogine und Mitarbeitern.
- Gabriel, K. R. 3141: Ante-dependence analysis of an ordered set of variables.
- Gachok, V. P. = Gačok, V. P.
- Gačok, V. P. 1068: Clothed operators and the commutativity condition. 5988: On the asymptotic behavior of Green's functions in quantum field theory.
- Gadjiev, A. D. 5337: (with Džafarov, A. S. and Labaker, L. G.) The asymptotic value of the approximation of functions by a certain family of linear operators.
- Gagliardi, E. 3333: On the evaluation of a formula for the errors of a learning machine. 6732: Una struttura unitaria in diverse famiglie di spazi funzionali. I.

- Gagun, M. B. 2017: Numerical solution of the equation $y' = f(x, y)$.
- Gai, Ja. G. 2667: An existence and uniqueness theorem for ordinary differential equations.
- Gaier, Dieter. 6377: On conformal mapping of nearly circular regions.
- Gainov, A. T. 2474: Free commutative and free anti-commutative products of algebras.
- Galafassi, Vittorio Emanuele. 4225: Omeomorfismi algebrici tra piani reali e questioni collegate.
- Galbură, G. 4996: Some properties of embedding of an algebraic variety in a projective space.
- Galindo, Alberto. 5919: On a functional averaging method in the classical ensemble theory. 6795: On the existence of J -selfadjoint extensions of J -symmetric operators with adjoint. 7340: (with Friedrichs, K. O.) On the wave function renormalization in a simple model.
- Gallagher, P. X. 240: Group characters and normal Hall subgroups.
- Gallai, T. 3039: Graphen mit triangulierbaren ungeraden Vielecken. 1878: (with Erdős, Paul) On the minimal number of vertices representing the edges of a graph.
- Gallarati, Dionisio. 4237: Una proprietà caratteristica della varietà di C. Segre prodotto di una retta per un S_p . 4238: Sulle V_4 di S_2 i cui S_4 tangentici si appoggiano a piani assegnati. 6878: Sulle varietà proiettive i cui spazi tangentici si appoggiano irregolarmente a spazi assegnati.
- Galler, Bernard A. 911: ★The language of computers. 3202: (with Rozenberg, D. P.) A generalization of a theorem of Carr on error bounds for Runge-Kutta procedures. 4512: (with Arden, Bruce W. and Graham, Robert, M.) An algorithm for translating Boolean expressions.
- Galli, Adriano. 7187: ★Geometria delle masse.
- Gallina, V. 5867: (with Nata, P.; Bianchi, L. and Viano, G.) On the three-body Green's function for S -states.
- Galmarino, Alberto Raúl. 5627: Representation of an isotropic diffusion as a skew product.
- Galperin, I. M. 1443: On the theory of special classes of functions schlicht in the unit circle with K -tuple rotational symmetry. 3890: On the theory of p -valent functions.
- Gal'pern, S. A. 6589: The Cauchy problem for general systems of linear partial differential equations.
- Gan, Chan-Tsuan. 3112: On the probability transition density for solutions of stochastic equations of higher orders. 3113: Solutions of a boundary-value problem for stochastic differential equations.
- Gan', Čian'-cjuān' = Gan, Chan-Tsuan.
- Ganapathy Iyer, V. 5321: On a functional equation. III.
- Gandhi, J. M. 45: A new formula for Genocchi numbers.
- Gangoli, Ramesh. 6307: Isotropic infinitely divisible processes on compact symmetric spaces.
- Gani, J. 7059: Corrigenda to my paper "A stochastic dam process with non-homogeneous Poisson inputs". 4425: (with Prabhu, N. U.) A storage model with continuous infinitely divisible inputs.
- Ganin, M. P. 5375: On a Fredholm integral equation whose kernel depends on the difference of the arguments.
- Gaposchkin, Peter. 62: On a conjecture of Venkatachalam.
- Gapoščkin, V. F. 6741: On the critical-point principle in Banach spaces.
- Garabedian, H. L. 2278: Core kinetics.
- Garabedian, P. R. 7252: Proof of uniqueness by symmetrization.
- Garaščuk, M. S. 1368: (with Suprunenko, D. A.) Linear groups with Engel's condition. 1369: (with Suprunenko, D. A.) Linear groups with a category.
- Garault, Yves. 1013: Solutions cohérentes de l'équation des ondes en coordonnées cylindriques variables quelle que soit la vitesse de phase. 1014: Expressions des ondes électromagnétiques élémentaires du type EH en coordonnées cylindriques.
- Garboński, W. 2207: On the Nakaiishi parametric representation. 4666: On the majorization problem in perturbation theory. 7332: Some topological properties of Feynman diagrams.
- Gårding, Lars. 6687: Transformation de Fourier des distributions homogènes.
- Gardner, L. A., Jr. 5768: Stochastic approximation and its application to problems of prediction and control synthesis.
- Garg, K. M. 1465: On level sets of a continuous nowhere monotone function. 2556: An analogue of Denjoy's theorem. 2557: On the derivability of functions discontinuous at a dense set. 3339: On nowhere monotone functions. I. Derivates at a residual set.
- Garkavi, A. L. 4161: General refinement theorems. 5395: A topology in Banach spaces. 6737: On Chebyshev and almost-Chebyshev subspaces.
- Garnier, H. C. 3329: Some remarks on Glauert's general interference theorem.
- Garnier, René. 682: Sur le problème de Plateau pour un quadrilatère variable qui peut acquérir un point double. 1811: Sur le problème de Plateau pour un quadrilatère variable qui peut acquérir un point double.
- Garrido, L. M. = Garrido Arilla, Luis María.
- Garrido Arilla, Luis María. 4648: (with Sancho, F. J.) Approximate validity of the adiabatic theorem of quantum mechanics. 7199: (with Gascón, F. and Sancho, F. J.) General theory of perturbations in classical mechanics.
- Garroni, M. Giovanna Platone. See Platone Garroni, M. Giovanna.
- Garsia, Adriano M. 6395: On the conformal types of algebraic surfaces of Euclidean space. 5630: (with Lamperti, John) A discrete renewal theorem with infinite mean. 514: (with Orey, S. and Rodemich, E.) Asymptotic behavior of successive coefficients of some power series.
- Garsoux, J. 4518a: ★Les systèmes linéaires. Tome I: Analyse fréquentielle. 4518b: ★Les systèmes linéaires. Tome II: Régimes transitoires. Transformations de Laplace et de Fourier.
- Gasanov, K. K. 2739: (with Guselnikov, A. I.) The applicability of the Fourier method to the solution of a mixed problem for a class of quasi-linear hyperbolic equations.
- Gaschütz, Wolfgang. 3784: Praefrattinigruppen.
- Gascón, F. 7199: (with Garrido, L. M. and Sancho, F. J.) General theory of perturbations in classical mechanics.
- Gaster, M. 7261: A note on the relation between temporally-increasing and spatially-increasing disturbances in hydrodynamic stability.
- Gastinel, Noël. 7170: (with Miellou, Jean-Claude) Résolution d'équations fonctionnelles par la méthode de décomposition de norme. Application à l'approximation de la solution de problèmes aux limites elliptiques variationnels linéaires du second ordre.
- Gates, W. Lawrence. 7434: (with Riegel, Christopher A.) A study of numerical errors in the integration of barotropic flow on a spherical grid.
- Gatesoupe, M. 2032: (with Guilloud, J.) Une application de la méthode de Monte-Carlo à la résolution numérique des équations de Fredholm.
- Gauthier, V. A. 2994: Symmetric, almost symplectic, affine connections on Hermitian manifolds. 1815: (with Gol'dberg, V. V.) On a class of harmonic conjugate nets of Wilczynski.
- Gautschi, Walter. 1990: Diffusion functions for small argument.
- Gavrilyuk, V. T. 5331: (with Remez, E. Ja.) Some remarks on polynomial Chebyshev approximations of functions compared to the intervals of expansions in Chebyshev polynomials.
- Gavrilov, V. I. 1468: The cluster set of functions pseudo-analytic in the unit circle.
- Gavurin, M. K. 1995: On ill-conditioned systems of linear algebraic equations.
- Gazis, Demet C. 3277: (with Wallis, Richard F.) Surface vibrational modes in crystal lattices with complex interatomic interactions.
- Gazxy, E. M. El. See El Gazxy, E. M.
- Geba, K. 5578: A remark on the homotopy groups with coefficients.
- Gebhart, B. 2101: Effects of viscous dissipation in natural convection.
- Gegelia, T. G. 1719: Integral equations containing integrals taken over a surface with edges. 4129: Differential properties of some integral transforms.
- Gehring, F. W. 2606: Quasiconformal mappings in space. 6381: (with Hayman, W. K.) An inequality in the theory of conformal mapping.
- Geidel'man, R. M. 694: The theory of a hypersurface in four-dimensional non-Euclidean spaces.
- Geisberg, S. 1656: Some properties of matrix transforms. 1664: Lacunary Tauberian theorems for absolute summability.
- Gelbaum, B. R. 5394: (with Gil de Lamadrid, J.) Bases of tensor products of Banach spaces.

- Gelernter, H. 4915: Realization of a geometry theorem proving machine. 5769: A note on the system requirements of a digital computer for the manipulation of list structures.
- Gelfand, I. M. 1903: Integral geometry and its relation to the theory of representations. 237: (with Graev, M. I.) Categories of group representations and the classification problem of irreducible representations. 6271: (with Graev, M. I.) Construction of irreducible representations of simple algebraic groups over a finite field. 6306: (with Graev, M. I.) An application of the horisphere method to the spectral analysis of functions in real and imaginary Lobachevsky spaces. 200: (with Pjateckii-Šapiro, I. I.) Unitary representations in uniform spaces with discrete stationary group. 6765: (with Schilow, G. E.) ★Vorallgemeinerte Funktionen (Distributionen). II: Lineare topologische Räume. Räume von Grundfunktionen und vorallgemeinerten Funktionen. 4173: (with Vilenkin, N. Ja.) ★Generalized functions, No. 4. Some applications of harmonic analysis. Equipped Hilbert spaces.
- Gel'g, A. H. 4055: Stability of the solutions of a mixed problem for a hyperbolic equation of second order.
- Gell-Mann, M. 2215: (with Goldberger, M. L.) Elementary particles of conventional field theory as Regge poles. 3429: (with Goldberger, Marvin L.) Erratum: "Elementary particles of conventional field theory as Regge poles".
- Gel'man, A. E. 6802: On majorant equations.
- Genčev, Todor. 6711: On the existence theorem for the eigenvalues of an integral equation with symmetric kernel. 6458: (with Argirova, Tatjana) Some properties of the Jacobi polynomials.
- Genkin, I. L. 3504: Dynamics of star systems with Schwarzschild distribution of star velocities.
- Gennart, P. E. 7140: (with Charles, J.) La mise en œuvre d'une méthode variationnelle.
- Gentile, Enzo R. 2478: Singular submodule and injective hull.
- Georganopoulos, Georges. 5104: Sur les fonctions satisfaisant à la condition de Hölder-Lipschitz d'ordre h .
- George, D. L. 6451: Numerical values of some integrals involving Bessel functions. 3293: (with Sneddon, I. N.) The axisymmetric Boussinesq problem for a heated punch.
- George, M. D. 5302: On mixed problems for the nonlinear heat equation.
- Georgiev, G. = Gheorghiev, Gheorghe Th.
- Geraghty, Michael A. 4334: (with Chu, Hsin) The fundamental group and the first cohomology group of a minimal set.
- Gerasimov, Ju. K. 2742: On the behavior of the solution of the third boundary-value problem for a parabolic equation.
- Gersenstein, M. E. 4778: (with Pustovoit, V. I.) Gravitational radiation by a relativistic particle.
- Gergely, Eugen. 1729: Sur quelques classes des variétés n -dimensionnelles dans les espaces séparables de Hilbert. 1803: Problèmes des ovales fondés sur leurs équations intrinsèques.
- Gergen, J. J. 5229: (with Drossel, F. G.) Some nonlinear systems of differential equations equivalent to linear systems.
- Germain, P. 4603: Conditions de choc et structure des ondes de choc lorsqu'on tient compte des effets de dissipation dans le fluide.
- Germogenova, T. A. 2844: The maximum principle for the transport equation.
- Gersich, H. A. 2247: (with Smith, V. H.) Cluster integrals and the ground state of bosons with repulsive interactions.
- Gerlisenstein, M. E. = Gerenstein, M. E.
- Gerwin, Richard A. 1017: Initial value solution of Maxwell's equations in cold plasma.
- Gesztesy, Ernő. 4078: An axiomatic introduction to the notion of convergence.
- Getmanov, V. D. 901: Application of the method of alternating upper and lower approximations to systems of ordinary nonlinear differential equations.
- Getoor, R. K. 3126: The asymptotic distribution of the number of zero-free intervals of a stable process. 5619: (with Blumenthal, R. M. and McKean, H. P., Jr.) Markov processes with identical hitting distributions.
- Geymonat, G. 5416: Sulla traccia delle funzioni olomorfe di potenza p -esima sommabile.
- Gheorghiev, Gheorghe. 3296: Differential-geometric applications to certain non-stationary processes in hydrodynamics. 4275: La géométrie différentielle des variétés de cônes dans l'espace à trois dimensions. 690a: (with Popa, Ilie) Geometria proiettivo-differenziale di alcune varietà equi-parametriche. 690b: (with Popa, I.) Géométrie projective différentielle de quelques variétés équi-paramétriques. II. 690c: (with Popa, Ilie) Geometria proiettivo-differenziale di alcune varietà equi-parametriche. III. 2965: (with Popa, Ilie) Correspondence tra varietà di coni. 5496: (with Popa, I.) Géométrie projective différentielle des variétés de cônes de l'espace à trois dimensions.
- Gheorghiu, Stefan I. 964: The slow plane flow of a viscous fluid in presence of a porous cylindrical envelope. 1006: La formule de Stokes pour les enveloppes sphériques poreuses. 4619: On the slow motion in porous media.
- Gheorghita, St. I. = Gheorghiu, Stefan I.
- Gheorghiu, Adrian. 1787: L'affinité et la perspectivité dans la perspective parallèle et conique.
- Gheorghiu, Gh. = Gheorghiev, Gheorghe Th.
- Gheorghiu, Octavian E. 6628: Sur une équation fonctionnelle matricielle
- Ghika, Al. 4146: Une relation d'ordre dans l'ensemble des espaces localement convexes. 4147: Réunion topologique et intersection topologique d'espaces localement convexes. 4148: Limite projective et limite inductive régulière d'espaces localement convexes. 5402: Espaces localement convexes canoniques. 5403: Transpositions des opérations linéaires fermées à domaines denses dans les espaces localement convexes.
- Ghirardi, G. C. 5868: (with Pauri, M. and Rimini, A.) On the Levinson theorem in the multichannel case.
- Ghircăiu, N. 5320: Sur une équation fonctionnelle à trois fonctions inconnues.
- Ghizzetti, Aldo. 4477: Sulle formule di quadratura relative ad intervalli illimitati. I. 4478: Sulle formule di quadratura relative ad intervalli illimitati. II.
- Ghosal, A. 5648: Queues in series.
- Giko, António. 2321: Thermodynamic expressions of fluid motion and their applications. 4804: Sur l'équation relativiste de l'énergie et l'hypothèse solaire de Piccardi.
- Gibson, J. E. 4860: (with Meditch, J. S.) On the real-time control of time-varying linear systems. 3549: (with Rekasius, Z. V.) Stability analysis of nonlinear control systems by the second method of Liapunov.
- Giese, Richard-Heinrich. 7327: (with de Bary, Elisabeth; Bullrich, Kurt and Vinnemann, Claus Dieter) Tabellen der Streufunktionen $i_1(\varphi)$, $i_2(\varphi)$ und des Streuquerschnittes $k(a, m)$ homogener Kugelchen nach der Mie'schen Theorie.
- Giffen, Charles H. 2434: Unique factorization for polynomials.
- Gilberg, David. 4028: Boundary value problems for nonlinear elliptic equations in n variables. 1236: (with Szegő, Gabor; Loewner, Charles; Bergman, Stefan; Schiffer, Menahem Max; Neyman, Jerry and Solomon, Herbert; co-editors) ★Studies in mathematical analysis and related topics: Essays in honor of George Pólya.
- Gilbert, E. N. 1800: Random subdivisions of space into crystals. 6665: Design of mixed doubles tournaments. 49: (with Riordan, John) Symmetry types of periodic sequences.
- Gilbert, R. P. 1479: Some properties of generalized axially symmetric potentials.
- Gil de Lamadrid, J. 5394: (with Gelbaum, B. R.) Bases of tensor products of Banach spaces.
- Gille, Jean-Charles. 5228: (with Bigot, Charles and Boisvert, Louis-Mosart) À propos du phénomène du saut dans les réponses en fréquences de systèmes non linéaires.
- Gillies, D. B. 3721: The exact determination of the characteristic polynomial of a matrix.
- Gillman, L. 3014: Remote points in βR . 732: (with Fine, N. J.) Remote points in βR .
- Gilmore, P. C. 4914: A program for the production from axioms, of proofs for theorems derivable within the first order predicate calculus.
- Gimadislamov, M. 2676: Expansion in eigenfunctions over the whole axis of a non-selfadjoint system of differential equations.
- Gindikin, S. G. 2347: (with Močnik, A. A.) The completeness of a system of unreliable elements realizing the functions of an algebra of logic.

- Ginsburg, Michael. 6976: On the Lusternik-Schnirelmann category. 6985: Some immersions of projective space in Euclidean space.
- Ginsburg, Seymour. 3222: ★An introduction to mathematical machine theory. 3556: Examples of abstract machines.
- Ginsburg, Th. 3218: (with Engeli, M.; Rutishauser, H. and Stiefel, E.) Refined iterative methods for computation of the solution and the eigenvalues of self-adjoint boundary value problems.
- Ginzburg, I. P. 7259: Turbulent boundary layer for a compressible fluid (gas mixture). 7260: (with Kočeryženkov, G. V.) The turbulent boundary layer of a non-insulated profile or axi-symmetric body in a compressible fluid.
- Ginzburg, Ju. P. 6793: A maximum principle for J -contracting operator functions and some of its consequences. 2850: (with Iohvidov, I. S.) A study of the geometry of infinite-dimensional spaces with bilinear metric.
- Girardeau, M. 3456: Erratum: "Variational method for the quantum statistics of interacting particles".
- Gjeddebaek, N. F. 4979: Note on the difference between consecutive primes.
- Gjemon, Aleksandr. 6875: Properties of a line congruence whose mean surface and mean envelope are focal surfaces of a W -congruence.
- Gladyšev, E. G. 3104: A new limit theorem for stochastic processes with Gaussian increments.
- Gladyš, S. 5133: Ergodische Funktionale und individueller ergodischer Satz.
- Glaeser, Georges. 624: Fonctions composées différentiables. 3827: Cobords différentiables définis sur un ensemble fermé.
- Glaeske, Hans-Jürgen. 3678: Zur Herleitung einer asymptotischen Funktionalgleichung gewisser Lambertacher Reihen.
- Glaileva, R. Ja. 1631: The continuous dependence on the initial data of the solution of the first boundary-value problem for a parabolic equation with negative time.
- Glashow, S. L. 4706: (with Baker, M.) Formal similarities of weak, strong and electromagnetic interactions. 7361: (with Baker, M.) Spontaneous breakdown of elementary particle symmetries.
- Glasser, Gerald J. 4433: Variance formulas for the mean difference and coefficient of concentration. 5675: Minimum variance unbiased estimators for Poisson probabilities.
- Glauber, Roy J. 5917: Time-dependent statistics of the Ising model.
- Glaumert, M. B. 7294: Magnetohydrodynamic wakes.
- Glavas, C. B. 6834: On a common factor characteristic of some plane coordinate systems and its significance in the analytical transformations of equations.
- Glazunov, N. L. 2970: Tensor fields on the n -sphere.
- Gleason, Andrew M. 5186: The abstract theorem of Cauchy-Weil. 6434: The Cauchy-Weil theorem. 6949: On groups of homeomorphisms. 2365: (with Dilworth, R. P.) A generalized Cantor theorem.
- Glick, Irving Isadore. 6555: On an analog of the Euler-Cauchy polygon method for the partial differential equation $u_{x_1} \dots u_{x_n} = f$.
- Glicksberg, I. 616: Function algebras with closed restrictions. 4165: Bishop's generalized Stone-Weierstrass theorem for the strict topology. 1700: (with de Leeuw, K.) Quasi-invariance and analyticity of measures on compact groups.
- Glimm, James. 3819: Families of induced representations.
- Globenko, I. G. 589: Some questions in the theory of imbedding for domains with singularities on the boundary. 2863: On the convergence of variational processes.
- Glock, Erich. 649: Ordnungsfunktionen, die auf Seiteneinteilungen besonderer Art führen.
- Gloden, A. 2384: Additions to Cunningham's factor table of $n^4 + 1$.
- Gluck, Herman. 759: Restriction of isotopies. 4327: The embedding of two-spheres in the four-sphere. 4330: Orientable surfaces in four-space. 3028: (with Brown, Morton) Stable structures on manifolds.
- Gluskin, L. M. 1382: Semigroups and rings of linear transformations. 1383: Semigroups and rings of endomorphisms of linear spaces. 1384: On dense embedding. 3725: Ideals of rings and their multiplicative semigroups. 6283: Semigroups of topological transformations.
- Glulko, V. P. 4183: Some properties of operators of potential-type and their applications.
- Gluškov, V. M. 12: Abstract automata and the decomposition of free semigroups. 916: On a method of automatizing programming. 7474: Self-organizing systems and abstract automata theory.
- Gloss, Brian. 4910: A note on a computational approximation to the two-machine problem. 4851: A line segment curve-fitting algorithm related to optimal encoding of information. 5986: A method for obtaining suboptimal group-testing policies using dynamic programming and information theory.
- Gnanadesikan, R. 1956: (with Wilk, M. B. and Freeny, Anne E.) Estimation of error variance from smallest ordered contrasts.
- Gnedenko, B. V. 6999: (with Khinchin, A. Ya.) ★An elementary introduction to the theory of probability.
- Gnoenskil, L. S. 2763: On the optimization of tracking systems.
- Godeaux, Lucien. 1818: Sur l'enveloppe des quadriques attachées à un point d'une surface. 2932: Surfaces des couples de points d'une courbe algébrique dont le diviseur de Severi est égal à deux. 4237: Une propriété des homographies cycliques hyperboliques. 4246: Remarque sur les variétés algébriques à trois dimensions dont la surface canonique est d'ordre zéro. 4247: Sur une variété algébrique à trois dimensions possédant huit points quadruples. 4248: Diviseur de Severi des surfaces des couples de points de certaines courbes algébriques. 4249: Construction de la surface bicanonique possédant une seule courbe canonique de genre trois. 5470: Costruzione di superficie algebriche irregolari. 5471: Construction d'une variété algébrique à trois dimensions, d'ordre six, à courbes-sections de genre trois. 5494: Sur les congruences de M. Wassiljew. 5495: Sur les surfaces non rationnelles dépourvues de courbe canonique. 6844: Sur la construction de quelques surfaces irrégulières. 6845: Une famille de variétés rationnelles à trois dimensions. 6846: Construction de surfaces algébriques dont le diviseur de Severi est supérieur à l'unité.
- Godunov, S. K. 4495: An orthogonalization method for solving systems of difference equations. 5750: Estimates of the error for approximate solutions of the simplest equations of gas dynamics. 2025: (with Semendjaev, K. A.) Difference methods for numerical solution of the problems of gas dynamics.
- Godwin, H. J. 6125: On a conjecture of Barnes and Swinnerton-Dyer.
- Goering, Herbert. 2996: Asymptotische Herleitung der dreidimensionalen Grenzschichtgleichungen für grosse Reynoldsche Zahlen.
- Goes, Günther. 2791: Arithmetic means of Fourier-Stieltjes-sine-coefficients. 4104: Über einige Multiplikatorenklassen.
- Goetz, A. 3015: A notion of uniformity for L -spaces of Fréchet.
- Goffman, Casper. 3832: (with Bradford, J. C.) Metric spaces in which Blumberg's theorem holds.
- Gohberg, I. C. 6777: (with Krein, M. G.) On the problem of factoring operators in a Hilbert space.
- Gohfel'd, I. 4698: (with Mel'man, N.) On the solution of equations of the Chew-Mandelstam type.
- Gohman, A. V. 3241: The geometrization of mechanical systems with rheonomic, non-linear, non-holonomic constraints.
- Gokhfeld, L. = Gohfel'd, I.
- Golab, S. 677: (with Plit, A.) A remark on the curvature of non-plane curves.
- Gold, Louis. 994: Relativistic non-linear theory of plasma oscillations.
- Gold, Richard R. 999: Magnetohydrodynamic pipe flow. I.
- Gold, Ruth Z. 5684: Tests auxiliary to χ^2 tests in a Markov chain.
- Goldberg, A. A. 1458: The extremal indicator for an entire function with positive zeros. 521: (with Svalagin, M. V.) Summation of certain series by means of the theory of residues.
- Goldberg, H. 5076: On the multiplicity of an irreducible representation in a direct product of irreducible representations of $SU(3)$. 7364: (with Lehrer-Ilamed, Y.) Derivation of the Gell-Mann-Okubo mass formula.
- Goldberg, J. E. 3276: (with Bogdanoff, J. L. and Marcus, L.) Linear vibration of a pinned rotating blade.
- Goldberg, Joshua N. 1178: The equations of motion. 2290: (with Havas, Peter) Lorentz-invariant equations of motion of point masses in the general theory of relativity.
- Goldberg, Richard R. 4124: Spaces of convolutions and fractional integrals.
- Goldberg, Seymour. 2892: (with Thorp, Edward O.) On some open questions concerning strictly singular operators. 4182: (with Thorp, Edward O.) The range as range space for compact operators.

- Gol'dberg, V. V. 4265: A family of axial planes of a two-dimensional surface on four-dimensional space and certain problems connected with this family. 6877: Laplace sequences of generalized conjugate Rozet nets of projective n -space. 1815: (with Gauhman, V. A.) On a class of harmonic conjugate nets of Wilczynski.
- Goldberger, Arthur S. 854: Best linear unbiased prediction in the generalized linear regression model.
- Goldberger, M. L. 2215: (with Gell-Mann, M.) Elementary particles of conventional field theory as Regge poles. 3429: (with Gell-Mann, Murray) Erratum: "Elementary particles of conventional field theory as Regge poles". 1956: (with Watson, Kenneth M.) Concerning the notion of "time interval" in S -matrix theory. 2210: (with Blankenbecler, R. and Cook, L. F., Jr.) Regge poles in high-energy electron scattering.
- Golddengersel, E. I. 562: On the growth of solutions of a class of systems of Volterra integral equations.
- Goldman, Malcolm. 801: On asymptotic occupancy times of the Wiener process.
- Goldman, O. 2430: (with Iwahori, N.) The space of p -adic norms.
- Göldner, Hans. 942: Das Verfahren von Kantorowitsch zur Lösung des Torsionsproblems.
- Goldstein, A. A. 531: (with Cheney, E. W.) Tchebycheff approximation in locally convex spaces.
- Goldstick, G. H. 4508: (with Mackie, D. G.) Design of computer circuits using linear programming techniques.
- Gelenke, D. I. 4402: On certain problems of evaluation of stochastic processes by Monte Carlo methods.
- Gol'fand, Ju. A. 4688: Quantum field theory in constant curvature p -space.
- Gol'fand, Yu. A. = Gol'fand, Ju. A.
- Gelisyn, G. S. 995: Some problems of the dynamics and heating of a conducting medium in a magnetic field.
- Golokvosčius, P. = Golokvosčius, P. B.
- Golokvosčius, P. B. 5205: Determination of characteristic exponents of a system of two linear homogeneous differential equations. 5206: On the periodicity of the integral matrix of certain systems of differential equations.
- Golomb, Solomon W. 6112: On certain nonlinear recurring sequences. 3717: (with Baumert, Leonard D.) The search for Hadamard matrices. 6198: (with Baumert, Leonard and Hall, Marshall, Jr.) Discovery of an Hadamard matrix of order 92.
- Golovin, O. N. 180: Multi-identity relations in groups.
- Golovin, V. D. 6683: On a generalization of the notion of periodic continuation. 6694: On mean periodic functions.
- Golovkin, K. K. 5109: Certain conditions for the smoothness of a function of several variables and estimates of convolution operators.
- Golub, Gene H. 3207: (with Varga, Richard S.) Chebyshev semi-iterative methods, successive overrelaxation iterative methods, and second order Richardson iterative methods. I. 3208: (with Varga, Richard S.) Chebyshev semi-iterative methods, successive overrelaxation iterative methods, and second order Richardson iterative methods. II.
- Golubev, V. A. 2389: The number of groups of primes and of primes of power form.
- Golubev, V. V. 294: ★Single-valued analytic functions. Automorphic functions.
- Golubeva, V. A. 5265: Singularities of fundamental solutions of partial differential equations with constant coefficients.
- Golubev, B. I. 522: Summation of sequences by Toeplitz methods.
- Gomes, A. Pereira. 3821: Formule de Plancherel et groupes de Lie.
- Gonçalves, J. Vicente. 1422: Quelques sommes associées aux décompositions d'un intervalle. (Additions). 6121: Inégalités intermittentes pour les fractions continues arithmétiques.
- Gončar, A. A. 300: On overconvergence of sequences of rational functions.
- Gončarenko, V. M. 4545: Study of the probability of snap-through of a long, cylindrical panel under random pressure.
- Gončareva, I. F. 5734: (with Martynov, A. V.) On a practical method of automatic choice of scale for solving systems of ordinary differential equations.
- Goncharenko, V. M. = Gončarenko, V. M.
- González Domínguez, A. 3571: (with Babini, J. and Santaló, L. A.) Julio Rey Pastor.
- González-Fernández, José M. 524: Integrability theorems for power series. I. Tauberian theorems.
- Good, I. J. 789a: A causal calculus. I. 789b: A causal calculus. II. 7075: Corrigenda: "Analysis of cumulative sums by multiple contour integration". 7460: Weighted covariance for estimating the direction of a Gaussian source.
- Goodman, A. W. 317: Analytic functions that take values in a convex region. 3886: Conformal mapping onto certain curvilinear polygons.
- Goodman, N. R. 3148a: Statistical analysis based on a certain multivariate complex Gaussian distribution. 3148b: The distribution of the determinant of a complex Wishart distributed matrix.
- Goodman, Ruth. 6365: K -polar polynomials.
- Goodrich, R. F. 3340: (with Kazarianoff, N. D.) Scalar diffractions by prolate spheroids whose eccentricities are almost one.
- Goodstein, R. L. 6199: Polynomial generators over finitely generated rings. 13: (with Hooley, J.) On recursive transcendence.
- Gopala Krishna, J. 6414: On relations among some constants of an entire function.
- Gopala Krishnan, N. S. 3733: On some filtered rings.
- Gorban, N. F. 4604: Determination of gas-dynamic properties of flow behind a normal shock wave with correction for variable specific heats and dissociation of air.
- Gorbunov, A. D. 7150: (with Tihonov, A. N.) Optimality of implicit difference schemes of Adams type.
- Goršakov, Ju. M. 2564: On locally normal groups. 3783: Primitively n -factorable groups.
- Goreciu, V. G. 1826: Sur les espaces à connexion constante du genre deux.
- Gordeev, N. V. 1276: On the mean value of quadratic residues for a prime modulus.
- Gordon, Basil. 3661: (with Mills, W. H. and Welch, L. R.) Some new difference sets.
- Gorenstein, Daniel. 188: (with Walter, John H.) On finite groups with dihedral Sylow 2-subgroups. 6243: (with Sandler, Reuben and Mills, W. H.) On almost-commuting permutations.
- GORIN, E. A. 479: Partially hypo-elliptic equations and polynomials. 2710: On a sufficient condition for correctness. 467: (with Grusin, V. V.) On the definition of hypoelliptic equations.
- Gor'kov, L. P. 4729: (with Abrikosov, A. A. and Dzjalóšinskij, I. E.) ★Methods of quantum field theory in statistical physics.
- Gorman, David. 2264: (with Montgomery, David) Boltzmann-Vlasov equation in a bounded region.
- Gorn, Saul. 31: The treatment of ambiguity and paradox in mechanical languages.
- Gorog, E. 4498: Etude statistique de l'erreur de calcul dans les sommes de n nombres écrits en virgule flottante.
- Gorlin, S. I. 3998: Stability in the large of a countable system of differential equations under continuously acting perturbations.
- Górski, Jerzy. 310: Limits of a certain functional connected with the capacity of a plane set.
- Gorst, Ju. G. 4084: (with Elin, M. V.) On certain essential differences between the matrix and semi-continuous methods of series summation.
- Gosselin, R. P. 1409: Integral norms of subadditive functions. 2565: Some integral inequalities.
- Gottschling, Erhard. 1496: Über Poincarésche Reihen und einen Fundamentalbereich diskontinuierlicher Gruppen.
- Gotusso, Guido. 7197: Aspetti del moto incipiente di certi sistemi olonomi.
- Gouarné, René. 5013: (with Samuel, Isaac) Introduction à l'étude des matrices multidimensionnelles. 5014: (with Samuel, Isaac) Déterminants des matrices à N dimensions d'ordre n .
- Gould, H. W. 47: Note on two binomial coefficient sums found by Riordan. 6073: The q -series analogue of a formula of Sailey. 4073: (with Squire, William) Maclaurin's second formula and its generalization.
- Gouyon, René. 6567: Sur le problème de Dirichlet pour l'équation elliptique réduite la plus générale, à second membre analytique.
- Govindarajulu, Zakkula. 7068: Recurrence relations for the inverse

- Julio
power
ns. II.
contour
; the
convex
linear
multi-
tution
ns by
erated
of an
flow
pecific
implicit
tively
deux.
for a
the new
s with
m and
omials.
Grušin,
I. E.)
Vlasov
mechanical
ommes
tem of
na.
ith the
ferences
ination.
2565:
i einen
sistemi
nde des
Isaac)
and by
f Saily.
and its
quation
ue.
inverse
- moments of the positive binomial variable. 7101: On moments of order statistics and quasi-ranges from normal populations.
- Gowrisankaran, Kohur. 5174: Limites fines et problème de Dirichlet en théorie axiomatique des fonctions harmoniques.
- Grabar', M. I. 2706: On the equation $d\psi/dt = f - \alpha$ in phase space.
- Graeub, Werner = Greub, Werner.
- Graev, M. I. 237: (with Gel'fand, I. M.) Categories of group representations and the classification problem of irreducible representations.
- 6271: (with Gel'fand, I. M.) Construction of irreducible representations of simple algebraic groups over a finite field. 6306: (with Gel'fand, I. M.) An application of the horosphere method to the spectral analysis of functions in real and imaginary Lobachevsky spaces.
- Graffi, D. 5511: Sui teoremi di unicità nella dinamica dei fluidi.
- Graham, R. L. 6662: On a theorem of Uspensky.
- Graham, Robert M. 4512: (with Arden, Bruce W. and Galler, Bernard A.) An algorithm for translating Boolean expressions.
- Grajek, C. 2692: On determining bounded solutions of linear differential equations by the small parameter method.
- Gram, Christian. 7123: (Editor) ★Selected numerical methods for linear equations, polynomial equations, partial differential equations, conformal mapping.
- Granas, Andrzej. 2856: Sur la multiplication cohomotopique dans les espaces de Banach. 6743: The theory of compact vector fields and some of its applications to topology of functional spaces. I.
- Granirer, E. 1744: On amenable semigroups with a finite-dimensional set of invariant means. I. 1745: On amenable semigroups with a finite-dimensional set of invariant means. II. 5087: On left amenable semigroups which admit countable left invariant means.
- Grankin, E. P. 4623: Solution of the inverse problem in electron optics by fields with an axis of symmetry.
- Grappy, Jacques. 5083: Sur les demi-groupes admettant un certain type de treillis de congruences.
- Grashin, A. F. = Grašin, A. F.
- Grašin, A. F. 4700: On solving linear equations of the dispersion method in two-particle approximation.
- Grasselli, Antonio. 3230: Control units for sequencing complex asynchronous operations.
- Grätzer, G. 1272: A characterization of neutral elements in lattices. (Notes on lattice theory. I.) 3629: A representation theorem for multi-algebras.
- Grau, A. A. 4506: On a floating-point number representation for use with algorithmic languages. 5773: A translator-oriented symbolic programming language.
- Grauer, H. 3931: Die Riemannschen Flächen der Funktionentheorie mehrerer Veränderlichen. 6435: (with Docquier, Ferdinand) Levin'sche Problem und Runge'scher Satz für Teilgebiete Steinscher Mannigfaltigkeiten. 3089: (with Remmert, R.) Über kompakte homogene komplexe Mannigfaltigkeiten.
- Graves, Lawrence M. 4252: A finite Bolyai-Lobachevsky plane.
- Gray, Alfred. 6409: (with Shah, S. M.) A note on entire functions and a conjecture of Erdős.
- Gray, Allan B., Jr. 2514: Normal subgroups of monomial groups.
- Gray, John W. 170: Category-valued sheaves.
- Grebennik, D. G. 527: On some weighted polynomials in m variables of degree no greater than n having minimum deviation from zero with linearly related coefficients. 5374: The approximate solution of a Fredholm integral equation in two variables.
- Green, A. E. 4548: On the linear theory of thin elastic shells. 3278: (with Shield, R. T.) On certain methods in the stability theory of continuous systems.
- Green, Edward H. 835: (with Raab, David H.) A cosine approximation to the normal distribution.
- Green, H. S. 4756: The structure of liquids.
- Green, T. A. 1012: Derivation of Maxwell's equations and the boundary conditions from Coulomb's law.
- Greenberg, H. J. 989: Fourier analysis of the motion of a hydraulically controlled piston.
- Greenberg, Leon. 6127: Maximal Fuchsian groups.
- Greenberg, Newton L. 7374: Binary kernel formulation of a Heisenberg model of ferromagnetism.
- Greenberg, O. W. 7331: (with Licht, A. L.) Quantum field-theory model whose truncated vacuum expectation values vanished beyond some order. 4680: (with Schnitzer, H. J. and Sudarshan, E. C. G.) Completeness identity in field theory.
- Greenberger, Martin. 2933: An a priori determination of serial correlation in computer generated random numbers.
- Greenfield, Harvey. 7153: Use of the Stodola iteration process in a Sturm-Liouville type problem with variable coefficients.
- Greenspan, H. P. 6596: A string problem.
- Greenstadt, John. 7137: Some numerical experiments in triangularizing matrices.
- Greenwood, Robert E. 4375: A combinatorial problem.
- Greifinger, Carl. 2134: (with Cole, Julian D.) Similarity solution for cylindrical magnetohydrodynamic blast waves.
- Grell, H. 3743: (with Budach, L.) Arithmetisch-topologische Untersuchungen an Ringen mit eingeschränkten Minimalbedingungen.
- Grenander, Ulf. 798: Stochastic groups. 5613: Stochastic groups and related structures.
- Greub, Werner. 1786: Über die Drehungen des vierdimensionalen Raumes, die man durch das Quaternionenprodukt erhält.
- Grey, Louis D. 4848: Some bounds for error-correcting codes.
- Grib, A. A. 7269: (with Baul, G. and Vjačmenščaja, L. M.) On some singularities of gas motion at hypersonic speeds.
- Gribanov, Ju. I. 4171: Coordinate spaces and infinite systems of linear equations. I.
- Gribanov, V. F. 2079: The elasto-plastic deformations of an elastic sphere in a non-stationary temperature field.
- Gribov, V. N. 4702: Analytic properties of the partial wave amplitudes and the asymptotic behavior of the scattering amplitude. 5885: Analytic properties of partial wave amplitudes and asymptotic behaviour of scattering amplitude. 5896: (with Dyatlov, I. T.) Analytic continuation of the three-particle unitarity condition. Simplest diagrams. 2197: (with Pomeranchuk, I. Ya.) Limitation of velocity of decrease of amplitudes in various processes. 4763: (with Pomeranchuk, I. Ya.) Some properties of the elastic scattering amplitude at high energies.
- Griffin, J. S., Jr. 4424: (with Boudreau, P. E., and Kac, M.) A discrete queueing problem with variable service times.
- Griffiths, H. B. 340: On a potential-theoretic example of Kiang.
- Griffiths, J. S. 4937: Simple proof of a formula due to Racah.
- Griffiths, Phillip A. 1905: On a theorem of Chern. 6993: Some geometric and analytic properties of homogeneous complex manifolds. I. Sheaves and cohomology.
- Grigor'eva, I. A. 6666: A generalization of S. N. Bernstein's theorem on the form of non-negative trigonometric polynomials for the case of an arbitrary number of relations between the coefficients of the polynomials.
- Grigor'jan, Ju. G. 4893: An algorithm for solving a system of equations of logic.
- Grillet, Pierre-Antoine. 6099: Sur la notion de tas.
- Grimeisen, Gerhard. 1846: Topologisierung R -topologischer Verbände. 3005: Eine natürliche Topologisierung der Potenzmenge eines topologischen Raumes. 6314: Ein Approximationssatz für Bairesche Funktionen.
- Grincevičius, K. 1821: On the differential neighborhood of third order of a line complex. 1822: On a pair of line complexes. 6876: The complete object of a line complex in a higher-dimensional projective space.
- Grincevičius, K. = Grincevičius, K.
- Grinfel'd, V. 2018: Remark on a numerical method of solving ordinary differential equations.
- Grisvard, Pierre. 6752: Une remarque sur les espaces intermédiaires entre deux espaces de Sobolev avec poids.
- Grivet, P. 7312: (with Blaquiére, A.) The nonlinear effect, arising from white noise and the flicker effect, in nuclear resonance spectrometers of the "marginal oscillator" type.
- Grizzle, James E. 3144: Asymptotic power of tests of linear hypotheses using the probit and logit transformations.
- Gröbner, W. 2444: Über das Umkehrproblem der Abelschen Integrale. 6168: Applicazioni delle serie di Lie nella geometria algebrica. 7427: (with Cap, F. and Lesky, P.) The astronomical n -body problem with time-dependent forces.

- G.-Rodeja F., E. 3847: A note on inequalities between symmetric functions. 4223: On the fundamental theorem of projective geometry.
- Groemer, Helmut. 1429: Eine Bemerkung zur Oberflächenformel von Cauchy.
- Groeneveld, J. 4724: Two theorems on classical many-particle systems.
- Groh, Helmut. 1512: (with Schäfke, Friedrich Wilhelm) Zur Berechnung der Eigenwerte der Sphäroiddifferentiengleichung.
- Groll, Phyllis A. 1982: (with Gupta, Shanti S.) Gamma distribution in acceptance sampling based on life tests.
- Gromov, V. G. 946: Application of the Fourier integral method to a problem on deformation of an unbounded elastic medium by internal forces.
- de Groot, J. 2543: Linearization of mappings. 5561: (with Aarts, J. M.) A case of colouration in the four colour problem.
- de Groot, S. R. 5927: On the development of nonequilibrium thermodynamics.
- Gross, Alan J. 4850: Binary group codes which correct errors in bursts of three or less for odd redundancy.
- Gross, Eugene P. 1132: Low lying states of a system of interacting bosons. 2200: Particle-like solutions in field theory.
- Gross, Herbert. 6257: On a special group of isometries of an infinite dimensional vector space.
- Gross, Leonard. 5121: Measurable functions on Hilbert space.
- Gross, Wolf. 4640: Formula di Taylor e linee di livello delle soluzioni dell'equazione del calore.
- Grosswald, E. 6130: Elementary proofs in the theory of partitions.
- Grothendieck, Alexander. 3566: ★Fondements de la géométrie algébrique. [Extraits du Séminaire Bourbaki, 1957-1962.]
- Grötzsch, Herbert. 4344: Zur Theorie der diskreten Gebilde. XIII. Heawood'sche Kantenkongruenzen modulo 3 für Dreikantnetze auf der Kugel.
- Grude, E. L. 3959: On the analytic character of solutions of an equation of Brioschi-Bouquet type.
- Grünbaum, B. 1880: (with Asplund, E.) On a coloring problem.
- Grušin, V. V. 493: Some theorems on removable singularities. 1619: On Q -hypo-elliptic equations. 2717: Extension of smoothness to solutions of differential equations of smooth type. 4063: Solutions of partial differential equations with constant coefficients. 467: (with Gorin, E. A.) On the definition of hypoelliptic equations.
- Grużewska, Halina Miłosz. See Milićev Grużewska, Halina.
- Grzegorczyk, Andrzej. 14: ★Fonctions recursives. 3589: A kind of categoricity. 4907: Justification of axioms in mathematical theories.
- Guazzzone, Stefano. 6209: Sui Λ -moduli liberi e alcuni teoremi di J. C. Everett.
- Gubanov, G. P. 6668: (with Krasil'nikov, K. V.) Some methods of approximating continuous functions of two variables by trigonometric polynomials.
- Guber, Siegfried. 2871: ★Über die Struktur gewisser Funktionenkegel.
- Guberman, I. Ja. 6615: (with Bakel'man, I. Ja.) The Dirichlet problem for an equation with a Monge-Ampère operator.
- Guberman, S. A. 2320: (with Koževnikov, D. A.) The determination of the actual variation of a field from its integral characteristics.
- Gudiev, A. H. 1749: On the imbedding theorem of S. L. Sobolev for abstract functions. 4164: A problem of S. L. Sobolev and S. M. Nikol'ski for the limiting exponent.
- Gudkov, P. M. 5077: The relation between the orders of conjugate elements and the degrees of absolutely irreducible representations for a class of groups.
- Gudkov, D. A. 4250: Bifurcation of simple double points and cusps of real, plane, algebraic curves. 4251: Variability of simple double points of real plane algebraic curves.
- Guénault, A. M. 2256: (with MacDonald, D. K. C.) Intermediate statistics.
- Guérin, Roger. 3620: Aspects algébriques du problème de Yamamoto. 4934: Sur une généralisation de la méthode de Yamamoto pour la construction de carrés latins orthogonaux.
- Guérinden, Jean. 1337: Notion de longueur pour une classe de modules gradués.
- Guernsey, Ralph L. 1147: Kinetic theory of quantum plasmas.
- Guerra, Sergio. 1670: (with Barbuti, Ugo) Osservazioni sulla utilizzazione dei polinomi di Tchebychev di prima specie nel calcolo approssimato di funzioni regolari.
- Guffin, Ronald M. 3235: A computer for solving linear simultaneous equations using the residue number system.
- Gugenheim, V. K. A. M. 1340: On extensions of algebras, co-algebras and Hopf algebras. I.
- Guggenheim, II. 786: Forme di Kobayashi e immersione locale.
- Guiașu, Silviu. 2337: Sur la perturbation dans la transmission de l'information. 3103: Über die asymptotische Verteilung der Summe einer zufälligen Anzahl von unabhängigen zufälligen Variablen. 4521: Mouvement des systèmes mécaniques non conservatifs. 4737: Évolution de la densité de probabilité dans l'espace des phases, dans le cas des systèmes mécaniques non conservatifs. 5608: Une nouvelle démonstration du théorème de F. J. Anscombe.
- Guichardet, Alain. 5437: Caractères des algèbres de Banach involutives.
- Guilloud, J. 2032: (with Gatescoupe, M.) Une application de la méthode de Monte-Carlo à la résolution numérique des équations de Fredholm.
- Gulin, E. P. 3343: Amplitude and phase fluctuations of a sound wave reflected from a statistically uneven surface.
- Gumbel, Emile J. 5674: Produits et quotients de deux plus petites valeurs indépendantes.
- Gumerov, Š. A. 927: On the integration of equations of motion of systems moving under the influence of forces linearly dependent on the velocity.
- Gundersen, Roy M. 2137: The propagation of a nonuniform magnetohydrodynamic shock wave into a moving monoatomic fluid. 3347: The nonisentropic perturbation of a centered magnetohydrodynamic simple wave. 7284: Hydromagnetic simple wave flow in non-uniform ducts.
- Gunn, James E. 7161: (with Douglas, Jim, Jr.) Two high-order correct difference analogues for the equation of multidimensional heat flow.
- Gunning, R. C. 3831: (with Bochner, S.) Infinite linear pseudogroups of transformations.
- Gunson, J. 5908: Proof of a conjecture by Dyson in the statistical theory of energy levels.
- Günther, W. 4559: Analoge Systeme von Schalengleichungen.
- Günzler, Hans. 2814: Eigenfunktion-Entwicklungen und allgemeine Fastperiodizität. 2815: Entwicklungen verallgemeinerter fast-periodischer Funktionen nach Eigenfunktionen. 5359: Verallgemeinerte Fourierreihen.
- Guo, Zhong-Heng. 4537: The problem of stability and vibration of a circular plate subject to finite initial deformation. 4528: Vibration and stability of a cylinder subject to finite deformation.
- Gupta, A. S. 4592: (with Howard, Louis N.) On the hydrodynamic and hydromagnetic stability of swirling flows.
- Gupta, B. K. 5191: Tables of integrals $A_n(a) = \int_1^\infty \lambda^n e^{-\lambda a} d\lambda$ and $\int_1^\infty Q_0(\lambda) \lambda^n e^{-\lambda a} d\lambda$.
- Gupta, Bandana. 5516: Some theorems in a Riemannian space with an added affine connection.
- Gupta, D. P. 529: Sur l'approximation de la fonction par les moyennes arithmétiques de sa série ultrasphérique. 2650: The absolute summability (A) of ultraspherical series.
- Gupta, P. M. 6706: Some problems in operational calculus of two or more variables and properties of Fourier Bessel's transform analogous to Hankel's transform.
- Gupta, Pryansu Sen. See Sen Gupta, Priyansu.
- Gupta, Shanti S. 1982: (with Groll, Phyllis A.) Gamma distribution in acceptance sampling based on life tests.
- Gurarii, V. I. 2874: Bases in spaces of continuous functions. 6728: (with Kadec, M. I.) Minimal systems and quasi-complements in Banach space.
- Gurarii, V. P. 2810: The Fourier transform in $L^2(-\infty, \infty)$ with weight.
- Gurevič, G. B. 3738: The differentiation algebra of an arbitrary standard null-algebra.
- Gurevič, Ju. Ja. 2135: (with Levič, V. G.) The effect of a magnetic field on surface waves in a conducting fluid.
- Gurevič, M. I. 961: Influence of capillary forces upon the coefficient of contraction of a jet.
- Gurevič, S. G. 4525: On the principle of virtual displacements in integral form and its application to the approximate solution of the problems of dynamics.

- Gurland, John. 7079: Note on a paper by Ray and Pitman.
- Gurmuzova, E. A. 3473: (with Vallander, S. V. and Filippov, B. V.) Integral kinetic equations for an arbitrary conservative field of external mass forces.
- Gürsey, F. 5897: (with Lee, T. D.) Spin 1/2 wave equation in de-Sitter space.
- Gurtin, M. E. 931: A note on the principle of minimum potential energy for linear anisotropic elastic solids. 4365: (with Sternberg, Eli) On the linear theory of viscoelasticity.
- Gusak, D. V. 4395: (with Koroljuk, V. S.) On the asymptotic behaviour of distributions of maximal deviations in the Poisson process.
- Guseinov, A. I. 2739: (with Gasanov, K. K.) The applicability of the Fourier method to the solution of a mixed problem for a class of quasi-linear hyperbolic equations. 2740: (with Hudaverdiev, K. I.) Solution of a one-dimensional mixed problem by the Fourier method for quasi-linear second-order hyperbolic equations.
- Gusman, S. Ja. 1473: Uniform approximation of generalized analytic functions.
- Gustin, William. 3037: Orientable embedding of Cayley graphs.
- Gutisabali, S. D. 4621: Scattering of light in an atmosphere adjacent to a specularly reflecting surface.
- Gutzwiller, M. C. 5805: The impact of a rigid circular cylinder on an elastic solid.
- Gvozdov, A. A. 7241: The determination of the value of the collapse load for statically indeterminate systems undergoing plastic deformation.
- Gyires, B. 797: Eine Verallgemeinerung des zentralen Grenzwertsatzes.
- Gyr, John. 4517: (with Thatcher, James and Allen, George) Computer simulation of a model of cognitive organization.
- Haag, R. 3449: The mathematical structure of the Bardeen-Cooper-Schrieffer model.
- ter Haar, D. 4575: (with Jepsen, D. W.) A derivation of the hydrodynamic equations from the equations of motion of collective coordinates. 1125: (with Parry, W. E.) A further note on the poles of Green functions.
- Haber, Robert M. 3716: Minimal term rank of a class of $(0, 1)$ -matrices.
- Habets, Klaus. 3907: Eine Bemerkung zur Werteverteilung meromorpher Funktionen in der Halbebene.
- Habets, G. J. 2280: (with Martino, M. A.) Existence theorems and spectral theory for the multigroup diffusion model.
- Hachigian, J. 4412: Collapsed Markov chains and the Chapman-Kolmogorov equation. 3118: (with Rosenblatt, M.) Functions of reversible Markov processes that are Markovian.
- Hacque, Michel. 1848a: Sur les E -structures. 1848b: Sur les E -structures.
- Haddad, Labib. 1849: Sur la notion de travail.
- Hadley, G. 7441: Generalizations of the optimal final inventory model. 4909: (with Whitin, T. M.) A model for procurement, allocation, and redistribution for low demand items. 7440: (with Whitin, T. M.) A family of dynamic inventory models.
- Hadwiger, H. 6856: Vollständig stetige Umwendung ebener Eibereiche im Raum.
- Hadjilivanov, Nikolai. 3845: A proof of Jensen's inequality for continuous convex functions.
- Hadiimullaev, F. S. 1721: On the theory of non-linear singular integral equations.
- Haefliger, André. 3069: Plongements différentiables de variétés dans variétés. 3070: Knotted $(4k-1)$ -spheres in $6k$ -space. 5585: Differentiable links. 6990: (with Borel, Armand) La classe d'homologie fondamentale d'un espace analytique. 784: (with Hirsch, Morris W.) Immersions in the stable range. 6981: (with Hirsch, Morris W.) On the existence and classification of differentiable embeddings.
- Hagiwara, Yusuke. 5964: Rotation of an earth satellite in flight along its orbit.
- Hagis, Peter, Jr. 3688: A problem on partitions with a prime modulus $p \geq 3$.
- Hahn, F. 1871: (with Auslander, L.) Real functions coming from flows on compact spaces and concepts of almost periodicity.
- Hahn, W. 410: Some results of the modern theory of stability. 3994: The present state of Lyapunov's direct method. 5230: ★ Theory and application of Liapunov's direct method.
- Hailperin, Theodore. 3588: A complete set of axioms for logical formulas invalid in some finite domain.
- Haimovici, Adolf. 4287: Sur quelques transformations entre espaces à connexion affine. 6553: Una generalizzazione del problema di Cauchy. 6899: Sur la connexion des espaces de Cartan.
- Haimovici, Corina = Reischer-Haimovici, Corina.
- Haimovici, M. 1823: Sur la décomposition des systèmes de Pfaff. 2716: Sur la décomposition des systèmes de Pfaff qui représentent les équations aux dérivées partielles du II-e ordre à deux variables indépendantes. 5262: Sur la réductibilité des systèmes d'équations aux dérivées partielles. 5506: Sur la décomposition des systèmes différentiels extérieurs.
- Hainzl, Josef. 5065: Über Seminormalität in Gruppen und Verbänden.
- Hájek, Jaroslav. 863: Asymptotically most powerful rank-order tests. 7096: An inequality concerning random linear functionals on a linear space with a random norm and its statistical application.
- Hajnal, A. 6927: (with Erdős, P.) On the topological product of discrete λ -compact spaces.
- Hajtman, Béla. 5019: On systems of equations containing only one non-linear equation.
- Hakimi, S. L. 5558: On realizability of a set of integers as degrees of the vertices of a linear graph. I.
- Halanay, A. = Halanay, A.
- Halanay, A. 500: Solutions périodiques et presque-périodiques des systèmes d'équations aux différences finies. 501: Quelques questions de la théorie de la stabilité pour les systèmes aux différences finies. 1572: Sur un cas de stabilité pour les systèmes non-linéaires. 2708: Singular perturbations of systems with retarded argument. 6517: Periodic solutions of linear systems with retardation. 6518: Periodic solutions of systems with retardation with a small parameter in the critical case. 6519: Stability theory for periodic systems with retardation. 6520: Perturbations singulières des systèmes autonomes. 6521: Autonomous systems with retarded argument and small parameter.
- Hale, Jack K. 6510: Functional-differential equations with parameters. 6511: A class of functional-differential equations.
- Hales, A. W. 1265: (with Jewett, R. I.) Regularity and positional games.
- Halfin, L. A. 5731: Statistical approach to methods of approximate calculation. Efficient quadrature formulas.
- Halfman, Robert L. 3240a: ★ Dynamics. Vol. I: Particles, rigid bodies, and systems. 3240b: ★ Dynamics. Vol. II: Systems, variational methods, and relativity.
- Hall, Z. I. 430: Stability of solutions of an equation in a Banach space.
- Halin, R. 756: (with Wagner, K.) Homomorphiebasen von Graphenmengen.
- Halkin, Hubert. 5450: The principle of optimal evolution.
- Hall, M. G. 3295: (with Stewartson, K.) The inner viscous solution for the core of a leading-edge vortex.
- Hall, Marshall, Jr. 3767: Note on the Mathieu group M_{12} . 5000: (with Newman, Morris) Copositive and completely positive quadratic forms. 6193: (with Baumert, Leonard and Golomb, S. W.) Discovery of an Hadamard matrix of order 92.
- Halmos, Paul R. 3587: The basic concepts of algebraic logic.
- Halmos, Pol R. = Halmos, Paul R.
- Halperin, Israel. 6055: Reducible von Neumann geometries. 6057: (with Wonenburger, Maria) On the additivity of lattice completeness.
- Halpern, Francis R. 3410: Singularities of the five-point function in perturbation theory. 5894: A criterion for singularities in perturbation theory.
- Halton, J. H. 6560: (with Cannon, J. R.) The irrotational solution of an elliptic differential equation with an unknown coefficient.
- Hama, Y. 1064: (with Onoda, J. and Taketani, M.) Ghost scatterings.
- Hammer, P. C. 6922: Kuratowski's closure theorem. 6923: Extended topology: reduction of limit functions. 6924: Extended topology domain finite expansive functions. 6925: Extended topology: the Wallace functions of a separation.
- Hamstrom, Mary-Elizabeth. 745: Some global properties of the space of homeomorphisms on a disc with holes.

- Hanai, Sutte. 5537: (with Okuyama, Akihiro) On pseudocompactness and continuous mappings.
- Hanan, Maurice. 2695: Oscillation criteria for third-order linear differential equations.
- Handcomb, D. C. 3453: The Monte Carlo method in quantum statistical mechanics.
- Hanen, Albert. 7032: Problème central limite dans le cas markovien fini. II. La matrice limite a plusieurs classes ergodiques et pas d'étate transitoire. 7040: Problème central limite dans le cas Markovien fini. La matrice limite n'a qu'une seule classe ergodique et pas d'état transitoire.
- Hanen, Otto. 4185: Random operator equations. 6034: Antonín Špoček: 11.X.1911–24.X.1961.
- Hansen, Chr. 5982: Über einige Sätze und Formeln der Mathematik der Lebensversicherung auf ein Leben.
- Hansen, Eldon R. 4978: (with Patrick, Merrell L.) Some relations and values for the generalized Riemann zeta function.
- Hanson, David L. 4415: On the representation problem for stationary stochastic processes with trivial tail field. 7041: A representation theorem for stationary Markov chains. 1413: (with Blum, J. R.) On the isomorphism problem for Bernoulli schemes. 4416: (with Blum, J. R.) On a problem in Hilbert space with applications. 4417: (with Blum, J. R. and Parter, S. V.) On a class of simple random walks.
- Hara, Yasuo. 2214: Relations among total cross sections at high energies.
- Haradze, A. K. 371: Some special functions of the Bessel family and simple related generalizations. 2653: A remark on a theorem of P. Turán. 2653: On a formula of A. Angelescu. 3946: A generating function for generalized Hermite polynomials.
- Harary, Frank. 1876: The determinant of the adjacency matrix of a graph. 4340: Unsolved problems in the enumeration of graphs. 4341: A characterization of block-graphs.
- Harasahal, V. H. 3974: (with Zolotarev, Ju. G.) On the structure of the solutions and the regular character of a system of linear differential equations.
- Harazov, D. F. 602: Spectral theory of completely continuous linear operators depending quadratically on a parameter.
- Hardgrave, William W. 1204: (with Nemhauser, George L.) On the relation between the traveling-salesman and the longest-path problems.
- Harish-Chandra. 2545: Invariant eigendistributions on semisimple Lie groups. 5981: (with Borel, Armand) Arithmetic subgroups of algebraic groups.
- Harlamov, P. V. 2050: On linear integrals of the equations of motion of a heavy solid body about a fixed point.
- Harper, W. M. 3185: Quadrature formulas for infinite integrals.
- Harrington, Walter J. 1690: (with Cell, John W.) A set of square-wave functions orthogonal and complete in $L_2(0, 2)$. 1691: (with Cell, John W.) Repeated integrals of the square-wave functions and related sets of orthogonal functions.
- Harris, Bruno. 776: Some calculations of homotopy groups of symmetric spaces. 6967: Suspensions and characteristic maps for symmetric spaces.
- Harris, Chester W. 3146: Some Rao-Guttman relationships.
- Harris, Joseph David. 5873: (with Bowman, John Judson) Green's distributions and the Cauchy problem for the multi-mass Klein-Gordon operator. 6614: (with Bowman, John Judson) Green's distributions and the Cauchy problem for the iterated Klein-Gordon operator. 7322: (with Bowman, John Judson) Green's distributions associated with the operator $[\square^m - (-\mu^2)^m]$.
- Harris, V. C. 2392: (with Subba Rao, M. V.) Congruence properties of $\sigma_x(N)$.
- Harris, W. A., Jr. 3971: A boundary value problem for a singularly perturbed system of nonlinear differential equations. 5314: Linear systems of difference equations.
- Harrison, D. K. 114: Abelian extensions of arbitrary fields. 176: Commutative algebras and cohomology.
- Harsanyi, John C. 7452: Rationality postulates for bargaining solutions in cooperative and in non-cooperative games.
- Hariladze, F. I. 5358: Multipliers of uniform convergence.
- Harter, H. Leon. 1948: Circular error probabilities.
- Hartley, H. O. 871: (with Rao, J. N. K.) Sampling with unequal probabilities and without replacement. 5704: (with Rao, J. N. K. and Cochran, W. G.) On a simple procedure of unequal probability sampling without replacement.
- Hartman, Philip. 1549: On dichotomies for solutions of n -th order linear differential equations. 2668: On uniqueness and differentiability of solutions of ordinary differential equations. 3857: On certain monotone functions and products of independent functions. 5202: A differential equation with non-unique solutions. 2687: (with Olech, Czeslaw) On global asymptotic stability of solutions of differential equations.
- Hartman, S. 550: Les intégrales de fonctions presque-périodiques et les sections de séries de Fourier. 2813: *R*-fastperiodische Funktionen. 6905: Some problems in the algebra of Borel measures. 6691: (with Ryll-Nardzewski, C.) Anerkennung der Priorität.
- Hartmanis, J. 2335: Loop-free structure of sequential machines. 5771: Further results on the structure of sequential machines.
- Harishorne, Robin. 116: Complete intersections and connectedness.
- Härtter, Erich. 6144: Einige Bemerkungen über Basissysteme.
- Hartunian, R. A. 2120: Shock curvature due to boundary-layer effects in a shock tube.
- Harvey, C. A. 5260: Determining the switching criterion for time-optimal control. 6507: Periodic solutions differential equation $\dot{x} + g(x) = p(t)$.
- Hasabov, E. G. 3917: (with Litvinčuk, G. S.) On the Hilbert boundary-value problem with a shift. 4138: (with Litvinčuk, G. S.) On the theory of singular integral equations obeying the Fredholm alternative.
- Hasegawa, Minoru. 813: A note on the first boundary value problem on Martin spaces induced by Markoff chains.
- Haselgrove, C. B. 4479: A method for numerical integration.
- Hascilene, William R. 5218: An extension of Poincaré's continuity theorem.
- Hashiguchi, Masao. 5513: On Lyra's connection.
- Hashimoto, Seiya. 7314: (with Nakada, Takashi) Heat conduction in a semi-infinite solid heated by a moving heat source along the boundary.
- Hashin, Z. 4549: (with Shtrikman, S.) On some variational principles in anisotropic and nonhomogeneous elasticity. 4550: (with Shtrikman, S.) A variational approach to the theory of the elastic behaviour of polycrystals. 953: (with Budiansky, Bernard and Sanders, J. Lyell, Jr.) The stress field of a slipped crystal and the early plastic behavior of polycrystalline materials.
- Hasin, G. B. 6886: *R*-nets with fibered congruences of the axes.
- Has'minskii, R. Z. 477: On certain differential equations encountered in the study of oscillations with small random perturbations. 5296: An estimate for the solution of a parabolic equation and some of its applications. 795: (with Il'in, A. M.) On an ergodic property of non-homogeneous diffusion processes. 6608: (with Il'in, A. M.) Asymptotic behavior of solutions of parabolic equations and an ergodic property of non-homogeneous diffusion processes.
- Hasselmann, Klaus. 7432: (with Munk, Walter and MacDonald, Gordon) Bispectra of ocean waves.
- Hasserl, Gerard. 2152: (with Ishimaru, A.) Currents induced on the surface of a conducting circular cylinder by a slot. 2153: (with Ishimaru, A.) Excitation of a conducting cylindrical surface of large radius of curvature.
- Hatakeyama, Yoji. 4295: (with Ogawa, Yosuke and Tanno, Shukichi) Some properties of manifolds with contact metric structure.
- Hatanaka, Michio. 2322: ★The workability of input-output analysis.
- Hattori, Akio. 1902: The index of coset spaces of compact Lie groups.
- Haubold, K. 2166: Un modèle simple d'évolution vers l'équilibre dans le cas de couplage fort.
- Haupt, Otto. 6837: Lokal-reguläre Bogen ohne $(n-2, k)$ -Sekanten im projektiven $P_n(n \leq k)$.
- Haus, H. A. 2150: (with Bobroff, D. L. and Klüver, J. W.) On the small signal power theorem of electron beams.
- Hauschild, Kurt. 2358: Modelle der Mengenlehre, die aus endlichen Mengen bestehen. 4886: Eine Bemerkung zum Mengenbildungsaxiom. 4887: Über die Charakterisierbarkeit der Zahlenreihe in gewissen Nichtstandardmodellen der Arithmetik.

- Haasner, Alvin. 3641: Note on "An extension of Fermat's theorem".
 Haasner, M. 3711: Eigenvalues of certain operators on matrices.
 Havas, Peter. 2290: (with Goldberg, Joshua N.) Lorentz-invariant equations of motion of point masses in the general theory of relativity. 3474: (with Krizan, John E.) Relativistic corrections in the statistical mechanics of interacting particles.
 Hayland, J. K. 1166: (with Lavin, M. L.) Application of a moment method to heat transfer in rarefied gases.
 Hawkins, E. N. 2044: (with Duncan, F. G.) Pseudo-code translation on multi-level storage machines.
 Hawley, John K. 5786: A note on continuation applied to elastic fields bounded by a plane or a sphere.
 Hawthorne, W. R. 4595: (with Banks, P. J.) The effect of a sudden density change on a slightly non-uniform flow.
 Bayart, René. 3258: Extension des formules de Murnaghan relatives aux déformations finies d'une solide élastique.
 Hayashi, Chikio. 5705: Sample survey and theory of quantification.
 Hayashi, Kazumichi. 319: Une frontière des surfaces de Riemann ouvertes et applications conformes. 1448: Sur une frontière des surfaces de Riemann.
 Hayashi, Kyuzo. 395: (with Yamaguti, Masaaya) Une étude sur les travaux de Bogoliubov et Mitropolsky à propos du fondement de la méthode de l'équation, à caractère de moyenneté.
 Hayden, T. L. 5145: Some convergence regions for continued fractions.
 Hayes, David. 109: A polynomial analog of the Goldbach conjecture.
 Hayman, W. K. 324: ↑On the limits of moduli of analytic functions. 6344: Correction to "On the existence and uniqueness of certain measures". 6382: On successive coefficients of univalent functions. 6381: (with Gehring, F. W.) An inequality in the theory of conformal mapping.
 Hazlehurst, John. 5967: Are spiral flows stable?
 Head, T. J. 5030: Dense submodules.
 Heading, J. 417: Uniform approximate solutions of certain nth-order differential equations. I. 6491: ★An introduction to phase-integral methods.
 Hearn, A. C. 1102: (with Leader, E.) Fixed-angle dispersion relations for nucleon Compton scattering. I.
 Hearon, John Z. 5009: Theorems on linear systems.
 Heber, G. 1063: Einige Konsequenzen des Einbaus von Messbarkeitsbeschränkungen in eine einfache Modell-Feldtheorie. 3495: Ergebnisse und Schwierigkeiten innerhalb der Theorie eines nicht-lokalisierbaren Feldes.
 Heckmann, O. 1186: (with Schücking, E.) Relativistic cosmology.
 Hedicl, Zdeněk. 1261: On number of commutative mappings from finite set into itself. (Preliminary communication). 3860: On integration in compact metric spaces. 3861: Remark on integration in compact metric spaces.
 Hedstrom, G. W. 6680: Equi-absolute convergence of eigenfunction expansions.
 Hoerema, Nickolas. 1311: Derivations on p -adic fields.
 Heigl, Franz. 2584: Zur Verteilung der Wurzeln algebraischer Gleichungen.
 Heims, S. P. 3442: (with Jaynes, E. T.) Theory of gyromagnetic effects and some related magnetic phenomena.
 Heineken, Hermann. 206: Endomorphismenringe und engelsche Elemente. 3754: Liesche Ringe mit Engelbedingung.
 Heinhold, J. 4507: Die Anwendung des elektronischen Analogrechners in der Funktionentheorie.
 Heinrich, Helmut. 131: Schrittweise Verbesserung einer Eingrenzung der Eigenwerte einer Matrix und der Nullstellen eines Polynoms.
 Heins, A. E. 5382: (with MacCamy, R. C.) A function-theoretic solution of certain integral equations. II.
 Heins, Maurice. 1451: On a class of conformal metrics.
 Hejmanek, Johann. 672: Ausgezeichnete Gitter eines Sternkörpers.
 Held, Dieter. 3766: Engelsche Elemente endlicher Gruppen.
 Helfenstein, H. G. 6989: Analytic Hopf surfaces.
 Helgason, Sigurdur. 2986: ★Differential geometry and symmetric spaces.
 Hellan, Käre. 4586: Application of a numerical procedure to the analysis of thin rectangular plates of variable thickness.
 Heller, Alex. 2476: A simple proof of the Künneth theorem. 5636: Homomorphisms of filtered modules. 2520: (with Reiner, I.) Representations of cyclic groups in rings of integers. II. 1887: (with Rowe, K. A.) On the category of sheaves.
 Helmberg, Gilbert. 2811: Zerlegungen des Mittelwertes fastperiodischer Funktionen. II.
 Helms, H. D. 5707: (with Thomas, J. B.) Truncation error of sampling-theorem expansions.
 Hély, Jean. 7404a: Solutions statiques des équations de Jordan-Thiry. 7404b: Solutions statiques à symétrie sphérique des équations de Jordan-Thiry.
 Hemmer, P. C. 5923: (with Kac, M. and Uhlenbeck, G. E.) On the van der Waals theory of the vapor-liquid equilibrium. I. 5924: (with Uhlenbeck, G. E. and Kac, M.) On the van der Waals theory of the vapor-liquid equilibrium. II. Discussion of the distribution functions.
 Hempel, Peter. 6788: Einschließungsaussagen für das Spektrum selbstadjungierter und normaler Transformationen im Hilbert-Raum durch Abschätzung der Norm der Resolvente.
 Henderson, F. M. 5189: ★Elliptic functions with complex arguments.
 Henkin, L. 1244: Some remarks on infinitely long formulas. 2364: Symmetric Euclidean relations.
 Henrici, P. 5736: Theoretical and experimental studies on the accumulation of error in the numerical solution of initial value problems for systems of ordinary differential equations.
 Henrikson, M. 2461: (with Jerison, M.) The space of minimal prime ideals of a commutative ring.
 Henstock, R. 6776: Difference-sets and the Banach-Steinhaus theorem.
 Hepner, W. A. 1124: The inhomogeneous Lorentz group and the conformal group.
 Heppes, Aladár. 2943: An extremal property of certain tetrahedra. 4229: (with Molnár, József) Neuere Ergebnisse in der diskreten Geometrie. II.
 d'Herbemont, G. 7095: Sur un aspect géométrique des analyses de variance.
 Herman, Robert. 3517: (with Weiss, George) Statistical properties of low-density traffic.
 Hermann, Robert. 2988: Some differential-geometric aspects of the Lagrange variational problem. 6891: On the accessibility problem in control theory. 6995: Geometric aspects of potential theory in the bounded symmetric domains.
 Hermes, Hans. 1252: ★Aufzählbarkeit, Entscheidbarkeit Berechenbarkeit: Einführung in die Theorie der rekursiven Funktionen.
 Herrera, I. 7271: On the wave-front approximation in three-dimensional gas dynamics.
 Herring, Conyers. 2278: Critique of the Heitler-London method of calculating spin couplings at large distances.
 Herrmann, Oskar. 4597: Über die Verteilung der Längen geodätischer Lote in hyperbolischen Raumformen.
 Hersh, Reuben. 5304: Mixed problems in several variables.
 Herstein, Israel N. 3740: Sugli anelli soddisfacenti ad una condizione di Engel. 6196: Duo risultati classici sugli anelli.
 Hersberg, Jerzy. 4235: On analytic primals. 6166: A result relating to the local uniformisation theorem.
 Hernecke, Charlotte. 1489: Positivitätsbereiche und Jordan-Strukturen.
 Hervé, Michel. 577: Sur les représentations intégrales à l'aide des points extrémaux dans un ensemble compact convexe métrable.
 Herz, C. S. 545: Fourier transforms related to convex sets.
 Herzberger, Max. 636: An analysis of the Euler-Lagrange equations.
 Herzog, F. 4333: (with Edelstein, M. and Kelly, L. M.) A further theorem of the Sylvester type.
 Hetherington, J. H. 3361: Partial wave analysis of the scattering of charged spinless particles.
 Heuchenne, C. 1844: (with Jongmans, F.) Localisation des attributs topologiques.
 Heuser, H. 3838: Zu einem Satz von T. Ważewski. 6770: Zur Eigenwerttheorie einer Klasse Rieszscher Operatoren.
 Hewitt, E. 5391: Measure algebras on locally compact groups: a case history in functional analysis. 6695: Some applications of compactness in harmonic analysis. 6656: (with Zuckerman, Herbert S.) Approximation by polynomials with integral coefficients, a reformulation of the Stone-Weierstrass theorem.

- Hewitt, Gloria C. 6008: The existence of free unions in classes of abstract algebras.
- Hewson-Brown, R. C. 7249: The oscillation of a thick aerofoil in an incompressible flow.
- Heyde, C. C. 6707: Some remarks on the moment problem. I. 6708: Some remarks on the moment problem. II.
- Heyman, Robert G. 6803: Duality in general ergodic theory.
- Heyting, A. 2363: Infinitistic methods from a finitist point of view.
- Heywood, P. 537: Integrability theorems for trigonometric series. 6689: On a transform discussed by Goldberg.
- Hide, R. 5842: (with Roberts, P. H.) Hydromagnetic flow due to an oscillating plane.
- Higgins, Joseph. 1137: Theory of irreversible processes. I. Parameters of smallness.
- Higman, D. G. 663: Flag-transitive collineation groups of finite projective spaces.
- Higman, Graham. 1365: Suzuki 2-groups. 6290: The lower central series of a free loop.
- Higuchi, Teiji. 6433: On the Riemannian curvature and the Poisson integral in several complex variables.
- Hildebrandt, Stefan. 588: Über die Identität der Sobolewischen und der Calkin-Morreyischen Räume.
- Hill, Bruce Marvin. 844: A test of linearity versus convexity of a median regression curve. 1952: The three-parameter lognormal distribution and Bayesian analysis of a point-source epidemic.
- Hill, Paul. 5058: Limits of sequences of finitely generated abelian groups.
- Hilf, R. 2059: Uniqueness criteria and extremum principles in self-adjoint problems of continuum mechanics.
- Hille, Einar. 1434: Sur les fonctions analytiques définies par des séries d'Hermite. 4011: Linear differential equations in Banach algebras. 6386: Remarks on transfinite diameters.
- Hillion, Pierre. 4711a: Théorie des particules élémentaires d'étrangeté nulle. 4711b: Groupe de jauge et symétries de l'isospaces associé au rotateur non relativiste. 1106: (with Vigier, Jean-Pierre) Théorie des résonances considérées comme états excités internes du modèle du rotateur relativiste des particules élémentaires.
- Hillman, Abraham P. 2437: (with Mead, David G.) On the Ritt polygon process.
- Hinčin, A. Ja. 5645: Erlang's formulae in queuing theory. 6099: (with Gnedenko, B. V.) ★An elementary introduction to the theory of probability. 7369: ★Analytical foundations of physical statistics.
- Hinderer, Karl. 7053: Controlling of non-recurrent lattice random walks.
- Hinds, G. 4669: (with Weber, J.) Interaction of photons and gravitons.
- Hinchliffe, Melvin J. 3539: A model for a self-adapting filter.
- Hinohara, Yukitoshi. 5031: Projective modules over weakly neotherian rings.
- Hiraga, Yoshihiko. 2324: Note on Lanchester's square law. 4458: On a several-sample test.
- Hirashawa, Yoshikazu. 1637: (with Satō, Tokui and Murakami, Haruo) Non-linear equations.
- Hirokawa, Hiroshi. 4089: On Riemann-Cesàro summability.
- Hirsch, Morris W. 3033: A proof of the nonretractability of a cell onto its boundary. 6979: Smooth regular neighborhoods. 6980: Obstruction theories for smoothing manifolds and maps. 784: (with Haefliger, André) Immersions in the stable range. 6981: (with Haefliger, André) On the existence and classification of differentiable embeddings.
- Hirschberg, D. 3225: (with Braffort, P., co-editor) ★Computer programming and formal systems.
- Hirschman, I. I., Jr. 510: ★Infinite series. 581: Multiplier transformations. III.
- Hirschbruch, F. 3091: (with Atiyah, M. F.) Analytic cycles on complex manifolds. 5593: (with Atiyah, M. F.) The Riemann-Roch theorem for analytic embeddings.
- Hittotumatu, Sin. 5185: On the irreducibility of germs of analytic functions.
- Hitoruyanagi, Zyutii. 2315: (with Ōki, Tosio and Fujimoto, Mitsuaki) Magnetogravitational theory of galaxy.
- Hiyoshi, Kenji. 3518: (with Kisi, Takasi) The effect of a traffic light on a Poisson flow.
- Hlawa, Edmund. 888: Zur angenäherten Berechnung mehrfacher Integrale.
- Ho, D. V. 5818: (with Meyer, R. E.) Climb of a bore on a beach. I. Uniform beach slope.
- Ho, Yu Chi. 1985: On the stochastic approximation method and optimal filtering theory.
- Hobby, Charles. 5602: (with Pyke, Ronald) Combinatorial results in multi-dimensional fluctuation theory. 1356: (with Rumsey, Howard and Weichsel, Paul M.) Finite groups having elements of every possible order.
- Hochschild, G. 1892: On linearization of Lie group extensions. 5092: (with Mostow, G. D.) Cohomology of Lie groups. 167: (with Kostant, Bertram and Rosenberg, Alex) Differential forms on regular affine algebras.
- Hochstadt, Harry. 2690: A special Hill's equation with discontinuous coefficients. 4106: Fourier series with linearly dependent coefficients. 5207: On the asymptotic spectrum of Hill's equation. 6515: A new proof of a stability estimate of Lyapunov.
- Hocking, J. G. 4323: (with Doyle, P. H.) Continuously invertible spaces. 6977: (with Doyle, P. H.) Dimensional invertibility.
- Hocking, Leslie M. 2091: The upper boundary condition for atmospheric gravity waves.
- Hedges, J. L., Jr. 4432: (with Lehmann, E. L.) Probabilities of rankings for two widely separated normal distributions.
- Hodžaev, A. 4483: On the solution of a system of differential equations by the method of Picard.
- Hoechmann, Klaus. 6159: Eine Bemerkung über elementar abelsche Körpererweiterungen bei Charakteristik p .
- Hoeffding, Wassily. 1908: Probability inequalities for sums of bounded random variables.
- Hoehnke, H.-J. 247: Zur Theorie der Gruppoide. III. 5633: Über nichtassoziativ Algebren mit assoziativ-symmetrischer Bilinearform. 6197: Konstruktive Methoden in der Theorie der Algebren. I. 6288: Über direkte Produkte vollständig einfacher Halbgruppen. 6289a: Zur Theorie der Gruppoide. IV. 6289b: Zur Theorie der Gruppoide. V.
- Hoel, Paul G. 857: Asymptotic efficiency in polynomial estimation.
- Hoffman, A. J. 4454: On the duals of symmetric partially-balanced incomplete block designs.
- Hoffman, George A. 3238: Optimal proportions of pressure vessel heads.
- Hoffman, Kenneth. 6820: Analytic functions and logmodular Banach algebras.
- Hofmann, Karl Heinrich. 1865: Locally compact semigroups in which a subgroup with compact complement is dense. 1866: Homogeneous locally compact groups with compact boundary. 4326: Über die topologische und algebraische Struktur topologischer Doppelloops und einiger topologischer projektiver Ebenen. 1900: (with Wright, F. B.) Pointwise periodic groups.
- Hohrjakov, A. Ja. 1546: On the generation of limit cycles. 5217: On the stability of a periodic solution of a system of three differential equations. 6526: (with Azbelev, N. V. and Caljuk, Z. B.) Theorems on a differential inequality for boundary-value problems.
- Holder, L. I. 6647: (with Boyer, B. J.) A generalization of absolute Rieszian summability.
- Holenweg, W. 3771: Über die Ordnung von Burnside-Gruppen mit endlich vielen Erzeugenden.
- Holland, Charles. 3795: Extensions of ordered groups and sequence completion.
- Holloway, A. H. 6025: (with Frenot, G. H., co-editor) ★AGARD aeronautical multilingual dictionary.
- Holm, Per. 3018: \mathcal{C} -completion and quasi-compactification. 5091: (with Alfors, Erik M.) A note on compact representation and almost periodicity in topological groups.
- Holmann, H. 6440: (with Bohnke, H.) Der Runge'sche Approximationssatz und seine Verallgemeinerungen in der Funktionentheorie mehrerer komplexer Veränderlicher.
- Holten, Robert P. 6598: Generalized Goursat problem.
- Homenjuk, V. V. 5244: Systems of ordinary differential equations with generalized homogeneous right-hand sides. 2136: (with Stepanov, K. N.) On the stability conditions of equilibrium magnetohydrodynamic configurations.

- Honda, Kin'ya. 199: Realism in the theory of abelian groups. II.
 Honda, Kōji. 4150: On a Ya. B. Rutickii's theorem concerning a property of the Orlicz norm.
- Honma, Eitirō. 6968: (with Kaneko, Tetuo) The equivalence of two definitions of homotopy sets for Kan complexes.
- Hoeker, W. W. 896: (with Thompson, G. T.) Iterative procedure for operators.
- Hooley, J. 18: (with Goodstein, R. L.) On recursive transcendence.
- Hof, Eberhard. 977: Remarks on the functional-analytic approach to turbulence.
- Hofp, Heinz. 6973: Über den Defekt stetiger Abbildungen von Mannigfaltigkeiten.
- Horadam, A. F. 668: Clifford matrices and the Hessian group. 3863: Complex Fibonacci numbers and Fibonacci quaternions.
- Horadam, E. M. 3649: A generalised form of a theorem on integer quotients of products of factorials. 6148: The order of arithmetical functions of generalized integers.
- Horák, Vladimír. 1817: Contribution à la théorie des déformations projectives des congruences W .
- Hori, Jun-ichi. 5936: Long-time behavior of a random lattice.
- Horlock, J. H. 7291: Some two-dimensional magneto-fluid-dynamic flows at low magnetic Reynolds number.
- Hörmander, Lars. 5279: Differential equations without solutions.
- Horn, A. 51: On α -homomorphic images of α -rings of sets. 56: (with Chang, C. C.) On the representation of α -complete lattices.
- Horn, Roger A. 6139: (with Bateman, Paul T.) A heuristic asymptotic formula concerning the distribution of prime numbers.
- Horne, M. R. 4553: The effect of finite deformations in the elastic stability of plane frames.
- Hornich, Hans. 439: Existenztheorem für lineare partielle Differentialgleichungen.
- Hoshi, Seiichi. 3920: On some theories of quaternion functions.
- Hosszú, M. 584: Note on commutable mappings. 2759: (with Vincze, E.) Über die Verallgemeinerungen eines Funktionalgleichungssystems der Wirtschaftlichkeit. 599: (with Aczél, J. and Straus, E. G.) Functional equations for products and compositions of functions.
- Hou, Tjan'-sjan. 5312: Determination of a solution of the Cauchy problem in the weak sense for systems of linear partial differential equations with constant coefficients.
- Houghton, G. 5779: The behaviour of particles in a sinusoidal velocity field.
- Houh, Chorng-Shi. 699: Affine connections in an almost product manifold.
- Hove, L. Van. See Van Hove, L.
- Houthakker, H. S. 5973: The present state of consumption theory.
- Howard, H. C. 2685: Oscillation and nonoscillation criteria for $y''(x) + f(y(x))p(x) = 0$.
- Howard, L. N. 2100: (with Drazin, P. G.) The instability to long waves of unbounded parallel inviscid flow. 4592: (with Gupta, A. S.) On the hydrodynamic and hydromagnetic stability of swirling flows.
- Howell, John R. 2369: Generation of permutations by addition.
- Howland, James Lucien. 3182: A method for computing the real roots of determinantal equations.
- Hoyle, F. 3508: (with Narlikar, J. V.) Mach's principle and the creation of matter.
- Hromov, A. P. 390: The eigenfunction expansion of ordinary linear differential operators in a finite interval.
- Hrustalev, A. F. 7313: (with Kogan, B. I.) On the temperature field of the infinite field of a cylinder with mixed boundary conditions. 2663: (with Vainstein, F. A.) A boundary-value problem for the equation of bending of a thin plate.
- Hsia, Tao-hsing. 6760: Conditionally positive definite distributions with a finite number of negative squares. 6773: On non-normal operators. I.
- Hsiang, Fu Cheng. 543: Gibbs phenomenon for fractional integration.
- Hsiang, Wu-chung. 5057: (with Hsiang, Wu-yi) Those abelian groups characterized by their completely decomposable subgroups of finite rank.
- Hsiang, Wu-yi. 5057: (with Hsiang, Wu-chung) Those abelian groups characterized by their completely decomposable subgroups of finite rank.
- Hsiung, Chuan-chih. 5531: (with Chern, Shiing-shen) On the isometry of compact submanifolds in euclidean space.
- Hsu, Chen-Jung. 5507: On Walker differentiation in differentiable manifolds with $r\pi$ -structure. 709: (with Sasaki, Shigeo) On the integrability of almost contact structure.
- Hsu, Chin-Shui. 1649: Boundedness of limits.
- Hsu, J. C. 6609: Integral representation of zero-memory nonlinear functions.
- Hsu, L. C. 2009: On the numerical integration of non-periodic functions of several variables. 5126: Concerning the change of variable of integration in general analysis. 5739: Correction and remark on a former paper "A method for finding precise error bounds of numerical integration formulas in higher dimensions".
- Hu, Go-Din. 3536: On information quantity.
- Hu, Kuo-Ting. 1223: Information stability of sequences of channels.
- Hua, Leo-keng. 1791: (with Rosenfeld, B. A.) The geometry of rectangular matrices and its application to real-projective and non-Euclidean geometry.
- Huaux, Aimé. 406: Sur l'existence d'une solution périodique de l'équation différentielle non linéaire $\ddot{x} + 0,2\dot{x} + x/1 - x = 0,5 \cos \omega t$. 6505: (with Forbat, N.) Détermination approchée et stabilité locale de la solution périodique d'une équation différentielle non linéaire.
- Hubbard, B. E. 3199: Bounds for eigenvalues of the Sturm-Liouville problem by finite difference methods. 7157: (with Bramble, J. H.) On the formulation of finite difference analogues of the Dirichlet problem for Poisson's equation. 7158: (with Bramble, J. H.) A priori bounds on the discretization error in the numerical solution of the Dirichlet problem.
- Huber, Peter J. 1975: A remark on a paper of Trawinski and David entitled: "Selection of the best treatment in a paired-comparison experiment". 5693: Pairwise comparison and ranking: optimum properties of the row sum procedure. 6064: (with Bühlmann, Hans) Pairwise comparison and ranking in tournaments.
- Huckemann, Friedrich. 6300: Über einige Extremalprobleme bei konformer Abbildung eines Kreisringes.
- Hudal-Verenov, M. G. 5213: A property of the solutions of a differential equation.
- Hudaverdiyev, K. I. 2740: (with Guseinov, A. I.) Solution of a one-dimensional mixed problem by the Fourier method for quasi-linear second-order hyperbolic equations.
- Hudjaev, S. I. 5269: A criterion for the solvability of the Dirichlet problem for elliptic equations.
- Hudson, J. F. P. 4349: Knotted tori.
- Huebsch, William. 1898: (with Morse, Marston) The Schoenflies extension in the analytic case. 3078: (with Morse, Marston) The dependence of the Schoenflies extension on an accessory parameter. 3079: (with Morse, Marston) Conical singular points of diffeomorphisms. 4366: (with Morse, Marston) Schoenflies extensions without interior differential singularities.
- Hughes, Richard E. 1426: Length for discontinuous curves.
- Hukuhara, Masuo. 4946: Sur le système dual de deux applications de treillis. 5203: The Euler transform and its application to differential equations of Fuchsian type. I. The Riemann-Liouville integral in the complex field. 1518: (with Sato, Tokui) ★Theory of differential equations.
- Hulanicki, A. 278: Invariant extensions of the Lebesgue measure. 5059: On algebraically compact groups. 5660: The structure of the factor group of the unrestricted sum by the restricted sum of Abelian groups. 6813: On symmetry in group algebras. 6233: (with Newman, M. F.) Existence of unrestricted direct products with one amalgamated subgroup.
- Hull, T. E. 5710: (with Dobell, A. R.) Random number generators. 7130: (with Allard, J. L. and Dobell, A. R.) Mixed congruential random number generators for decimal machines.
- Humphreys, J. S. 2078: Dynamic collapse of a rigid-plastic ring under a distributed impulsive load.
- Hunt, Robert W. 5239: The behavior of solutions of ordinary, self-adjoint differential equations of arbitrary even order.
- Hunter, C. 2313: The instability of the collapse of a self-gravitating gas cloud.
- Hunter, R. P. 1864: On the structure of homogroups with applications

See Manger Hussen, S.

- to the theory of compact connected semigroups. 4324: (with Anderson, L. W.) Homomorphisms and dimension.
- Huppert, Bertram. 210: Zur Sylowstruktur auflösbarer Gruppen. 5045: (with Wielandt, H.) Arithmetical and normal structure of finite groups.
- Hurley, J. 2130: (with Bazer, J.) Geometrical hydromagnetics.
- Hurwitz, Alexander. 3684: New Mersenne primes.
- Husain, S. Q. 705: The most general affine connection leaving invariant a quaternion structure.
- Husain, Taqdir. 1727: S -spaces and the open mapping theorem. 2861: Locally convex spaces with the $B(\mathcal{T})$ -property.
- Huskey, Harry D. 5765: (with Korn, Granino A., co-editor) ★Computer handbook.
- Huskivadze, G. A. 5146: On A -integrals of Cauchy type.
- Hussain, S. Manzur. 5015: Evaluation of a more general form of the determinant of the 11th order.
- Hustad, Otto. 5399: Extension of positive linear functionals.
- Hutchison, G. A. 5488: (with Beckenbach, E. F.) Meromorphic minimal surfaces.
- Hutson, V. 3358: The circular plate condenser at small separations.
- Huzii, Mitsuaki. 1933: A note on the moving average representation of a stationary process.
- Hunino, Seiji. 3603: Finite automata and Asper's function algorithms. 4515: (with Yoneyama, Mariko) On a proof of Schepherdson's theorem.
- Hvedelidze, B. V. 563: Regularization problem in the theory of integral equations with Cauchy kernel.
- Hvoles, A. R. 6713: On the solution of an integral equation.
- Hyllengren, Anders. 6407: On the quotient of entire functions of lower order less than one.
- Hylleraas, Egil A. 3658: Linearization of products of Jacobi polynomials.
- Iacob, Caius. 2625: Sur la résolution du problème de Dirichlet pour le cercle dans quelques cas particuliers. 3914: Résolution du problème de Dirichlet pour le cercle dans quelques cas particuliers. 3915: Über Lösungen mit gegebenen Singularitäten für einige Grenzprobleme. 3925: Sur le problème biharmonique fondamental.
- Ibisch, Horst Dieter. 1888a: Homotopie-Operationen relativer Homotopiegruppen. I. 1888b: Homotopie-Operationen relativer Homotopiegruppen. II.
- Ibragimov, I. A. 1923: On stationary Gaussian processes with a strong mixing property. 5634: Some limit theorems for stationary processes.
- Ibragimov, I. I. 327: Extremal problems in a class of entire functions of finite degree in several variables. 3904: (with Dzafarov, A. S.) An estimate for the derivative of an entire function of finite degree. 5182: (with Dzafarov, A. S.) Some inequalities for entire functions of finite degree in the norm of a generalized Lebesgue class.
- Ichimaru, Seisuo. 5931: Theory of fluctuations in a plasma.
- Iehinohe, A. 456: Sur une relation entre le problème aux limites et celui de Cauchy pour l'équation des ondes.
- Igari, Satoru. 2830: Transformations of conjugate functions. II. 4112: On multiplicators of orthogonal series. 4113: On the decomposition theorems of Fourier transforms with weighted norms. 5328: An extension of the interpolation theorem of Marcinkiewicz. 2829: (with Kinukawa, Masakiti) Transformations of conjugate functions.
- Iglisch, Rudolf. 382: (with Eltermann, Heinz) Über eine in der Theorie der Stromwendung auftretende Differentialgleichung.
- Ignaczak, Józef. 4574: (with Nowacki, Witold) The Sommerfeld radiation conditions for coupled problems of thermoelasticity. Examples of coupled stress and temperature concentration at cylindrical and spherical cavities.
- Ignat, C. 5591: Remarques sur les complexes elliptiques de sphères.
- Iizuka, Kenzo. 238: On Osima's blocks of characters of group of finite order.
- Ikaunieks, Ē. 2677: (with Riekstiņš, E.) Transformation of asymptotic series by differential equations.
- Ikebe, Teruo. 461: (with Kato, Tosio) Uniqueness of the self-adjoint extension of singular elliptic differential operators.
- Ikeda, Mineo. 1173: (with Fujitani, Tamehiro and Matsumoto, Makoto) On the imbedding of the Schwarzschild space-time. I. 1173: (with Fujitani, Tamehiro and Matsumoto, Makoto) On the imbedding of the Schwarzschild space-time. II. 1174: (with Fujitani, Tamehiro and Matsumoto, Makoto) On the imbedding of the Schwarzschild space-time. III.
- Ikeda, Sadao. 5682: An application of the discrimination information measure to the theory of testing hypotheses. II. 7454: A note on the characterization of Shannon-Wiener's measure of information. 7455: On characterization of the Kullback-Leibler mean information for continuous probability distributions. 7456: Necessary conditions for the convergence of Kullback-Leibler's mean information.
- Ikegami, Teruo. 3908: On Fatou's theorem.
- Ikenberry, Ernest. 2655: Representation of Grad's Hermite polynomials as sums of products of Sonine polynomials and solid spherical harmonics.
- Ikoma, Kazuo. 6400: Supplements to my former paper: "On Ahlfors' discs theorem and its application". 6405: (with Shibata, Keiichi) On distortions in certain quasiconformal mappings.
- Il'in, A. M. 795: (with Has'minskii, R. Z.) On an ergodic property of non-homogeneous diffusion processes. 6668: (with Has'minskii, R. Z.) Asymptotic behavior of solutions of parabolic equations and an ergodic property of non-homogeneous diffusion processes.
- Il'jašenko, Ju. S. 648: (with Efremovič, V. A.) Regular polygons in E^n .
- Imhof, J. P. 7072: Testing the hypothesis of no fixed main-effects in Scheffé's mixed model.
- Imre, K. 4752: Oscillations in a relativistic plasma.
- İnan, Mustafa. 4534: An approximate method in calculating the finite displacements of beams.
- Inatomi, Akira. 163: Remark on Galois theory of simple ring. 2467: On generating elements of simple algebras.
- Ingarden, Roman S. 3471: (with Urbanik, Kazimierz) Quantum informational thermodynamics. 4830: (with Urbanik, K.) Information without probability.
- Ingelstam, Lars. 4199: A vertex property for Banach algebras with identity.
- Ingham, A. E. 2591: On absolutely convergent Dirichlet series.
- Ingram, R. L. 4676: Relativistic invariance and the tacit uniqueness postulate in quantum field theory.
- Inomata, Akira. 1119: On the mass gauge invariance.
- Inoue, Sakaji. 1758: On the functional-representations of normal operators in Hilbert spaces.
- Insel, Arnold J. 6940: A compact topology for a lattice.
- Iohvidov, I. S. 6790: On some classes of operators in a space with a general indefinite metric. 2850: (with Ginzburg, Ju. P.) A study of the geometry of infinite-dimensional spaces with bilinear metric.
- Ion, Ion D. 3625: Sur les treillis de dimension finie.
- Ionescu, D. V. 1643: Sur une équation fonctionnelle. 3201: L'application de la méthode des approximations successives à l'intégration numérique des équations différentielles. 4486: The remainder term in Adams' numerical integration formula.
- Ionescu, Gh. D. 1790: Sur la détermination des foyers d'une conique.
- Ionescu, V. 4580: (with Dumitrescu, D. and Crăciun, C.) Die Strömung schwerer Flüssigkeiten mit freier Oberfläche in senkrechter Ebene. 5815: (with Dumitrescu, D. and Crăciun, C.) Étude unitaire du mouvement des fluides pesants à surface libre.
- Ionescu-Bujor, Constantin. 3785: Optic transformations. II.
- Ionescu Tulcea, Alexandra. 2881: (with Ionescu Tulcea, Cassius) On the lifting property. II. Representation of linear operators on spaces $L_{\mathbb{R}^r}$, $1 \leq r < \infty$.
- Ionescu Tulcea, Cassius. 4194: Suboperative functions and semi-groups of operators. 2881: (with Ionescu Tulcea, Alexandra) On the lifting property. II. Representation of linear operators on spaces $L_{\mathbb{R}^r}$, $1 \leq r < \infty$.
- Ionin, V. K. 6913: Relations between the radii of the inscribed and circumscribed spheres of a closed, convex surface.
- Iosifescu, M. 1029: (with Theodorescu, R.) Chains with complete connections. II. 7084: (with Theodorescu, R.) Chains with complete connections. III.

- Iqbalunnisa. 6084: Lattice translates and congruences.
- Irwin, J. M. 5054: (with Walker, E. A.) On isotype subgroups of Abelian groups. 2498: (with Peercy, Carol and Walker, Elbert) Splitting properties of high subgroups.
- Irwin, M. C. 5550: Combinatorial embeddings of manifolds.
- Isaac, Richard. 4410: A general version of Doeblin's condition.
- Isaev, P. S. 2222: (with Zlatev, I. S.) Application of dispersion relations for testing quantum electrodynamics at small distances.
- Isahov, R. S. 4139: (with Vekua, N. P.) On a class of singular integral equations, solved effectively.
- Isbell, J. R. 4160: Mazur's theorem. 4169: (with Semadeni, Z.) Projection constants and spaces of continuous functions.
- Iseki, Kaneshiro. 1414: On salto-functions and interval-surfaces. 6348: On quasi-Denjoy integration. 6360a: On some measure-theoretic results in curve geometry. 6360b: Further measure-theoretic results in curve geometry. 6360c: Some results in Lebesgue geometry of curves. 6360d: On the measure-bend of parametric curves. 6360e: On the reduced measure-bend of curves. 6360f: Further properties of reduced measure-bend. 6360g: Further results in Lebesgue geometry of curves. 6360h: On a variant of Hausdorff measure-bend.
- Iseki, Kiyoshi. 244: On quasiideals in regular semigroup. A remark on S. Lajos' note. 3008: Generalisations of the notion of compactness. 6853: Configuration theorems in affine plane. 4965: (with Chikawa, Kazuo) Unsolved problems of number theory. Steinhaus problem.
- Ishida, Makoto. 1815: On groups of automorphisms of algebraic varieties.
- Ishiguro, Kazuo. 515: On the product of some quasi-Hausdorff and logarithmic methods of summability. 4085: On the summability methods of logarithmic type. 4086: A converse theorem on the summability methods. 6645: On a product of summability methods.
- Ishihara, Tadashige. 1058: (with Yamagata, Hideo) On distributions and spaces of sequences. I. 1059: (with Yamagata, Hideo) On distributions and spaces of sequences. II. On the multiplications of improper functions in quantum field theory. 1060: (with Yamagata, Hideo) On unified representation of state vector in quantum field theory.
- Ishii, Tadashi. 731: A new characterization of paracompactness. 6923a: Some characterizations of m -paracompact spaces. I. 6923b: Some characterizations of m -paracompact spaces. II.
- Ishimaru, A. 4632: (with Bernard, G. D.) Closed form analysis for the radiation pattern of the modulated antenna. 2152: (with Hasserjian, Gerard) Currents induced on the surface of a conducting circular cylinder by a slot. 2153: (with Hasserjian, G.) Excitation of a conducting cylindrical surface of large radius of curvature.
- Ikova, A. G. 937: Bending of a circular plate on an elastic half-space under the action of a point force and longitudinal forces.
- Imagilov, R. S. 4190: On the spectrum of Toeplitz matrices.
- Istrățescu, V. 1912: Probabilități concernant une clase d'espaces de Banach.
- Îlo, D. 1105: (with Ragusa, S. and Zimmerman, A. H.) On the universality of weak interactions.
- Îlo, Noboru. 184: Über die Gruppen $PSL_n(q)$, die eine Untergruppe von Primzahlindex enthalten. 185: A note on transitive permutation groups of degree p . 186: On transitive simple groups of degree $3p$. 3787: A note on $SL_r(q)$. 5050: Transitive permutation groups of degree $p=2q+1$, p and q being prime numbers.
- Îlo, Seizo. 4200: An elementary proof of a fundamental theorem on normed rings.
- Ivanikov, V. I. 2156: Certain problems of the theory of refraction of electromagnetic waves.
- Ivanenko, I. P. 2241: (with Bolen'kil, S. Z.) Cascade theory of showers.
- Ivknešev, P. 3525: (with Balaž, E.) Transportation problems with variable data. 7447: (with Balaž, E.) On the transportation problem. I.
- Ivankin-Trovogin, G. N. 823: On the solution of a system of equations of Hindin.
- Ivanov, A. V. 488: Solution by means of the Green's matrix of a mixed problem for a system of two differential equations of parabolic type. 2029: On the stability of certain numerical algorithms inverting regular difference equations.
- Ivanov, I. 4270: Die geodätischen Linien erster Art in der zweidimensionalen Geometrie als Minimallinien.
- Ivanov, Ju. N. = Ivanov, Ju. N.
- Ivanov, Ju. N. 4522: Optimal variation of power for the motion of a body of variable mass in a gravitational field.
- Ivanov, V. I. 5848: Diffraction of high frequency plane waves by a parabolic cylinder.
- Ivanov, V. K. 355: A boundary problem related to analytic functions of two complex variables. 356: The growth indicatrix of an entire function of two complex variables. 3674: A generalization of the Voronoi-Hardy identity.
- Ivanov, V. V. 2318: Diffusion of radiation with re-radiation in frequency in a semi-infinite medium. 5726: Algorithms of quick descent. 7134: The convergence of certain computational algorithms of the method of least squares.
- Ivašev-Musatov, O. S. 5345: M -sets and Hausdorff measure.
- Iverson, Kenneth E. 913: ★A programming language.
- Ivlev, D. D. 3289: On perfectly plastic flow of material with residual microstresses taken into account.
- Iwahori, N. 2430: (with Goldman, O.) The space of p -adic norms.
- Iwano, Masahiro. 422: Convergent solution of a system of ordinary nonlinear differential equations containing a small parameter. 6530: (with Sibuya, Yasutaka) Reduction of the order of a linear ordinary differential equation containing a small parameter.
- Iwasaki, Akira. 561: On non-linear integral equations of Volterra-type. 1484: On \mathcal{F} -potentials.
- Iwasaki, Koziro. 2908: Some characterizations of Fourier transforms. II. 5356: Some characterizations of Fourier transforms. IV.
- Iyanaga, Shôkichi. 61: (with Kodaira, Kunihiko) ★General concepts of modern mathematics. I. Modern mathematics, Vol. I.
- Iyer, V. Ganapathy. See Ganapathy Iyer, V.
- Izicki, Herbert. 1879: Zulässige Kantenfärbungen von pseudoregulären Graphen 3. Grades mit der Kantenfarbenzahl 3. 5557: Zulässige Kantenfärbungen von pseudo-regulären Graphen mit minimaler Kantenfarbenzahl.
- Jackson, H. 4347: On solutions of the topological four-color problem.
- Jackson, John David. 2165: ★Mathematics for quantum mechanics. An introductory survey of operators, eigenvalues, and linear vector spaces.
- Jacob, Caius = Jacob, Caius.
- Jacob, Irwin. 4846: Optimum error detection codes for noiseless decision feedback.
- Jacobs, Konrad. 286: Über die Struktur der mittleren Entropie.
- Jacobson, N. 166: MacDonald's theorem on Jordan algebras. 1345: ★Lie algebras. 6222: A note on automorphisms of Lie algebras.
- Jacobson, R. A. 2673: (with Barrett, L. C.) Utilizing Green's function to solve nonhomogeneous differential systems.
- Jadrenko, M. I. 4408: On a class of isotropic random fields in an infinite-dimensional Lobačevskii space.
- Jaeger, J. C. 6705: (with Carslaw, H. S.) ★Operational methods in applied mathematics.
- Jaenicke, Joachim. 4627: Zum Maximum-Minimum-Prinzip bei elliptischen Differentialgleichungssystemen.
- Jaffe, A. M. 1057: (with Kim, Y. S.) Complex angular momentum in two-channel problems.
- de Jager, C. 3507: (with Kuperus, M.) The acoustic energy flux of the sun and the formation of the corona.
- Jager, H. 6141: On the number of pairs of integers with least common multiple not exceeding x .
- Jaggi, R. K. 998: Wave motion in a plasma with anisotropic pressure.
- Jaglom, A. M. 1934: Effective solutions of linear approximation problems for multivariate stationary processes with a rational spectrum. 4399: Second-order homogeneous random fields. 5635b: On the equivalence and perpendicularity of two Gaussian probability measures in function space.
- Jain, A. C. 971: A new series solution to laminar boundary layer equations. 972: On boundary layer control by continuous suction.

- Jain, H. C. 5652: Queueing problem with limited waiting space.
- Jain, P. C. 3322: Isotropic temperature fluctuations in isotropic turbulence.
- Jain, R. K. 2141: (with Kapur, J. N.) On the stability of a simple solution of hydromagnetics. 4610: (with Kapur, J. N.) Parallel flow in an annular channel in hydromagnetics. I.
- Jaiswal, N. K. 4423: (with Thiruvengadam, K.) Preemptive resume priority queue with Erlangian inputs.
- Jajie, Ryszard. 5407: Remarks on an universal space for spaces of the type B_θ .
- Jakimienko, V. L. 7286: (with Demidov, V. D. and Frank-Kamenetskii, D. A.) Magnetic sound in a hot plasma. I. Propagation across the magnetic field and dissipation due to collisions.
- Jakimov, Ju. L. 1438: An approximate formula for the expansion by a conformal map of a domain with a narrow section.
- Jakimovski, Amnon. 1661: Tauberian constants for the $[J, f(x)]$ transformations.
- Jakobsen, J. F. 2567: (with Berberian, S. K.) A note on Borel sets.
- Jakovlev, G. N. 1752: Boundary properties of a class of functions.
- Jakubik, J. 2375: Über Teilbünde der l -Gruppen.
- Jakubov, I. T. 6456: An asymptotic expression for generalized Laguerre polynomials.
- Jakubov, S. Ja. 4132: On a class of integral equations whose kernels can be symmetrized.
- Jakubović, V. A. 5072: Arguments on the group of symplectic matrices.
- James, G. S. 5601: (with Mayne, Alan J.) Cumulants of functions of random variables.
- James, I. M. 773: Suspension of transgression. 1900: On the immersion problem for real projective spaces. 5576: Products on spheres.
- James, Ioan. 6970: (with Thomas, Emery) Homotopy-abelian topological groups.
- Jancel, R. 2282: (with Maroni, P. and Kahan, T.) Analyse de la fonction de distribution électronique dans une décharge haute fréquence. I.
- Jancovici, B. 4712: On the derivation of the optical potential in infinite nuclear matter.
- Janenko, N. N. 5294: Invariant differential constraints for hyperbolic systems of quasi-linear equations.
- Jankiewicz, C. 1016: A proof of uniqueness of the energy momentum tensor of the electromagnetic field in Riemannian space.
- Jankó, Béla. 1730: Sur une nouvelle généralisation de la méthode des hyperboles tangentes pour la résolution des équations fonctionnelles non-linéaires définies dans des espaces de Banach. 3170: Sur l'analogue de la méthode de Tchebycheff et de la méthode des hyperboles tangentes.
- Janko, Z. 1355: Eine Bemerkung über die Φ -Untergruppe endlicher Gruppen.
- Janković, Zlatko. 5194: On confluent hypergeometric differential equation.
- Janner, A. 7372: (with Van Hove, L. and Verboven, E.) The evolution to quantum statistical equilibrium for a simple model. The strong coupling limit.
- Janes, W. A. 5906: On error estimation in quantum statistics perturbation theory.
- Janov, Ju. I. 29: On identical transformations of regular expressions.
- Janowski, Witold. 311: ★Sur les valeurs extrêmales du module de la dérivée des fonctions univalentes bornées.
- Jans, J. P. 154: On finitely generated modules over Noetherian rings.
- Janssen, T. W. J. M. 3455: On the classical limit of the diagram expansion in quantum statistics.
- Jarden, David. 6831: ★The tetrahedron: A collection of papers.
- Jarmuhamedov, S. 1463: An asymptotic bound for the coefficients of a certain class of entire functions.
- Jarnagin, M. P. 5669: (with DiDonato, A. R.) A method for computing the circular coverage function.
- Jarovic'kil, M. V. 7058: On some properties of simply connected dependent streams.
- Jarovic'kil, N. V. = Jarovic'kil, M. V.
- Jasny, Miloš. 495: On the existence of an oscillating solution of the non-linear differential equation of the second order $y'' + f(x)y^{2n-1} = 0$, $f(x) > 0$.
- Jaswon, M. A. 7214: (with Ponter, A. R.) An integral equation solution of the torsion problem.
- Jataev, M. 3999: (with Kurmašev, D.) Study of a critical case of Lyapunov stability for steady-state motion.
- Jauch, J. M. 259: (with Finkelstein, D. and Speiser, D.) Quaternionic representations of compact groups.
- Jaworowski, J. W. 1892: Generalized cohomotopy groups as limit groups.
- Jaynes, E. T. 3442: (with Heims, S. P.) Theory of gyromagnetic effects and some related magnetic phenomena.
- Jeffreys, Harold. 5334: ★Asymptotic approximations.
- Jehne, Wolfram. 2428: Zur Theorie der Kreiskörper. 3698: Bemerkung über die p -Klassengruppe des p^r -ten Kreiskörpers.
- de Jekhovsky, Benjamin. 3940: Étude sur les fonctions de Bessel modifiées de première espèce d'ordre k entier à deux variables.
- Jelinek, Jiří. 6762: Les fonctions distributionnelles localement intégrables.
- Jenkins, Howard. 2729: (with Serrin, James) Variational problems of minimal surface type. I.
- Jenkins, James A. 277: Remarks on the paper "Generalization of a theorem of Mandelbrojt". 308: On a paper of Reich concerning minimal slit domains. 5154: An addendum to the general coefficient theorem.
- Jenner, W. E. 4993: ★Rudiments of algebraic geometry.
- Jensen, Chr. U. 3667: On the Diophantine equation $\xi^2 - 2m^2\eta^2 = -1$.
- Jepsen, D. W. 4575: (with ter Haar, D.) A derivation of the hydrodynamic equations from the equations of motion of collective coordinates.
- Jerison, M. 2461: (with Henrikson, M.) The space of minimal prime ideals of a commutative ring. 4170: (with Rudin, Walter) Translation-invariant functionals.
- Jerrard, R. P. 339: (with Rubel, L. A.) On the curvature of the level lines of a harmonic function.
- Jewell, William E. 2325: Optimal flow through networks with gains.
- Jewett, R. I. 1265: (with Hales, A. W.) Regularity and positional games.
- Jha, D. K. 4087: On absolute equivalence of general infinite matrices.
- Jha, P. 4272: On the reflected rays of a rectilinear congruence.
- Jiang, Jia-he. 2331: (with Wu, Wen-tsün) Essential equilibrium points of n -person non-cooperative games.
- Jiggs, B. H. 1225: Recent results in comma-free codes.
- Jiřina, Miloslav. 3098: Ordinary differential and difference equations with random coefficients and random right-hand side.
- Joffe, A. 827: (with Ney, P. E.) Convergence theorems for multiple channel loss probabilities.
- Job, Kenzo. 857: (with Sugiyama, Hiroshi) A numerical procedure of conformal mapping in case of simply, doubly, and multiply connected domains from the viewpoint of Monte Carlo approach. I.
- Johler, J. Ralph. 2159: (with Walters, Lillie C.) On the diffraction of spherical radio waves by a finitely conducting spherical earth.
- John, S. 1951: On the evaluation of the probability integral of the multivariate t -distribution.
- Johnson, D. G. 6082: (with Kist, J. E.) Complemented ideals and extremely disconnected spaces.
- Johnson, Eugene A. 3532: (with Brown, Byron Wm., Jr.) The Spearman estimator for serial dilution assays.
- Johnson, H. H. 2041: Optimum time for multiplication on a digital computer. 2551: Classical differential invariants and applications to partial differential equations. 4282: On infinite prolongations of differential systems.
- Johnson, K. G. 5414: Algebras of Riemann integrable functions.
- Johnson, Kenneth. 3412: (with Sudarshan, E. C. G.) Inconsistency of the local field theory of charged spin $3/2$ particles.
- Johnson, R. E. 1331: Quotient rings of rings with zero singular ideal. 3741: Principal right ideal rings.
- Johnson, W. E. 3373: (with Nachbar, W.) Laminar flame theory and the steady, linear burning of a monopropellant.
- Joja, Athanase. 3607: Logique et métalogique du principe d'identité.
- Jolivet, André. 2184: Sur les solutions en coordonnées sphériques des équations générales des particules à spin.
- Jones, B. Frank, Jr. 6599: Singular integrals and parabolic equations.

- Jones, E. E. 6431: Some solutions of an internal-external problem of the third type for a circle.
- Jones, J. G. 3336: Quasi-cylindrical surfaces with prescribed loadings in the linearized theory of supersonic flow.
- Jones, J. P. 4558: Effect of a uniform flow on elastic waves in a porous, saturated elastic solid.
- Jones, John, Jr. 1532: On matrix differential equations.
- Jones, John P. 5795: (with Bhuta, Pravin G.) On axial vibrations of a whirling bar.
- Jones, R. Clark. 1011: Information capacity of a beam of light.
- Jones, Richard H. 4808: Stochastic processes on a sphere as applied to meteorological 500-millibar forecasts.
- Jones, Terence G. 5712: An algorithm for the numerical application of a linear operator.
- de Jongh, B. H. 5859: Hermitian random processes related to quantum mechanical oscillators.
- Jongmans, F. 6313: Variations sur le thème des extrema. 1844: (with Houchenne, C.) Localisation des attributs topologiques.
- Jönsson, Wilbur Jacob. 2937: Transitivität und Homogenität projektiver Ebenen.
- Jordan, D. W. 5884: The stress wave from a finite, cylindrical explosive source.
- Jordan, Pascual. 2180: Zur Frage der Gültigkeitsgrenzen der Quantenmechanik. 2376: Über distributiv-modulare Schrägverbände. 4939: Halbgruppen von Idempotenten und nichtkommutative Verbände.
- Jordan, Thomas F. 7329: (with Sudarshan, E. C. G.) Errata: "Lie-group dynamical formalism and the relation between quantum mechanics and classical mechanics". 3392: (with Pinsky, Mark A. and Sudarshan, E. C. G.) Dynamical mappings of density operators in quantum mechanics. II. Time dependent mappings.
- Jörgens, Konrad. 1621: Über die nichtlinearen Wellengleichungen der mathematischen Physik.
- Joseph, D. W. 4801: Coordinate covariance and the particle spectrum.
- Joussen, Jakob. 6855: Über die projektive Erweiterungsfähigkeit affiner Ordnungsfunktionen.
- Juan-Llosá, Ricardo San. See San Juan-Llosá, Ricardo.
- Judd, B. R. 1114: Double-tensor operators for configurations of equivalent electrons.
- Judge, W. J. 7463: Multiplexing using quasiorthogonal binary functions.
- Judović, V. I. 6558: Some bounds for solutions of elliptic equations.
- Jurčenko, S. I. 4638: Approximate solution of a boundary-value problem for the diffusion equation.
- Jur'ev, I. M. 2106: A contribution to the theory of plane gas flow.
- Jury, E. I. 6627: (with Pai, M. A.) Convolution z-transform method applied to certain nonlinear discrete systems.
- Juženė, K. L. 914: On the completeness of "address language" means.
- Jukka, F. P. 3223: (with Mockus, I. B. and Ališauskas, A. V.) Some problems of applying computers for choosing the most efficient constructive parameters.
- Julkevič, A. A. 8124: Differentiability of transition probabilities of a homogeneous Markov process with countably many states.
- Jussila, Olli. 5567: Sur les homomorphismes canoniques de Czech.
- Júza, Milošlav. 679: Le système complet d'invariants d'un mono-système à trois dimensions dans l'espace euclidien à cinq dimensions.
- Kabakov, F. A. 4884: Deducibility of certain realizable formulae of the propositional calculus.
- Kabanov, N. I. 4303: A singular Finsler space defined to within a Carathéodory mapping.
- Kabe, D. G. 833: Some results on the distribution of two random matrices used in classification procedures.
- Kac, G. I. 1764: Spectral decompositions of self-adjoint operators in terms of generalized elements of a Hilbert space. 2897: Finite ring groups.
- Kac, I. S. 2906: On the spectral multiplicity of a second-order differential operator.
- Kac, M. 4424: (with Boudreau, P. E. and Griffin, J. E., Jr.) A discrete queueing problem with variable service times. 5923: (with Uhlenbeck, G. E. and Hemmer, P. C.) On the van der Waals theory of the vapor-liquid equilibrium. I. Discussion of a one-dimensional model. 5924: (with Uhlenbeck, G. E. and Hemmer, P. C.) On the van der Waals theory of the vapor-liquid equilibrium. II. Discussion of the distribution functions.
- Kac, R. A. 2776: (with Karklin's, I. V.) A theorem in the theory of Cesàro-summable integrals.
- Kacprzyński, Jerzy. 951: The dynamic problem of thermoelasticity of a circular cone.
- Kafurovskii, R. I. 5430: On some fixed-point principles.
- Kadanoff, Leo P. 3450: (with Ambegaokar, Vinay) Electromagnetic properties of superconductors.
- Kadec, M. I. 2858: Bi-orthogonal systems and summation bases. 6728: (with Gurarii, V. I.) Minimal systems and quasi-complements in Banach space.
- Kadison, Richard V. 6814: Normalcy in operator algebras.
- Kagan, A. M. 1958: On an empirical Bayes approach to the problem of estimation.
- Kagan, P. B. 2730: Sobolev functional spaces of negative order and their application to the Neumann problem.
- Kagiwada, H. 3189: (with Bellman, R. and Kalaba, R.) A computational procedure for optimal system design and utilization.
- Kahan, T. 2282: (with Maroni, P. and Jancel, R.) Analyse de la fonction de distribution électronique dans une décharge haute fréquence. I.
- Kahane, J.-P. 1681: Sur les coefficients de Fourier-Bohr. 1697: Sur les fonctions presque-périodiques généralisées dont le spectre est vide. 2787: ★Constructive theory of functions. 1464: (with Rubel, L. A.) On Weierstrass products of zero type on the real axis.
- Kähler, Erich. 3705: Infinitesimal-Arithmetik. 5505: Der innere Differentialkalkül.
- Kahn, F. D. 1154: Transverse plasma waves and their instability.
- Kailath, Thomas. 2336: Solution of an integral equation occurring in multipath communication problems.
- Kaiser, Hans. 381: Über die abelsche differentialgleichung $u'(\theta) = q(\theta)u(\theta)^2 + u(\theta)^2 + q(\theta)u(\theta) + 1$.
- Kakita, Takao. 552: Generalization of a theorem of Paley and Wiener.
- Kalaba, Robert. 5738: Some aspects of quasilinearization. 2344: (with Bellman, Richard) Dynamic programming applied to control processes governed by general functional equations. 5938: (with Bellman, Richard) A note on nonlinear summability techniques in invariant imbedding. 6010: (with Bellman, Richard) A note on interrupted stochastic control processes. 3189: (with Bellman, R. and Kagiwada, H.) A computational procedure for optimal system design and utilization. 1171: (with Bellman, R. E. and Prestrud, M. C.) ★Invariant imbedding and radiative transfer in slabs of finite thickness. 2275: (with Bellman, Richard and Ueno, Sueo) Invariant imbedding and time-dependent diffuse reflection by a finite inhomogeneous atmosphere. 1169: (with Bellman, Richard and Wing, G. Milton) Dissipation functions and invariant imbedding. I. 1170: (with Bellman, Richard and Wing, G. Milton) Invariant imbedding and neutron transport theory. V. Diffusion as a limiting case.
- Kalandija, A. I. 7210: On the Hertz problem for contracted elastic bodies.
- Kalik, C. 1611: (with Szilágyi, P.) Sur la solution du problème de la limite de Neumann.
- Kalinichenko, D. F. 6753: The functional space $K_{\Lambda}^m(\Omega)$. Some applications to boundary-value theory.
- Kaliaki, Sylwester. 4526: Reduction of Fredholm integral equations of the first kind to those of the second kind in boundary-value problems of the dynamic theory of elasticity. 7231: (with Włodarczyk, Edward) Reflection of a spherical unloading wave from a rigid wall and a free surface in a body with rigid unloading characteristic.
- Kallenberg, G. W. M. 2928: Aequidistantoids and basoids in plane hyperbolic geometry. 4222: Three kinds of hyperbolic polar coordinates.
- Kallianpur, Gopinath. 7013: (with Oodaira, Hiroshi) The equivalence and singularity of Gaussian measures.
- Kalmár, L. 2042: A practical infinitistic computer.
- Kalmykov, G. I. 810: On the partial ordering of Markov processes on the real line.

- Kales, M. H. 2334: Monte Carlo calculations of the ground state of three- and four-body nuclei.
- Kamefuchi, S. 2205: (with Takahashi, Yasushi) A generalization of field quantization and statistics.
- Kamenskaja, M. M. 3751: Solvable standard Lie algebras. I, II.
- Kamenskij, G. A. 2666: Theorems on ranges of values and a boundary-value problem for a second-order non-linear differential equation. 6396: Existence, uniqueness, and continuous dependence on initial values of the solutions of systems of differential equations with deviating argument of neutral type.
- Kameswari, T. M. 7102: On moments of order statistics.
- Kampé de Fériet, Joseph. 1750: Mesures de probabilité sur l'espace de Banach $C_0[0, 1]$. 7263: (with Birkhoff, Garrett) Kinematics of homogeneous turbulence. D. Metric transitivity.
- Kanal, Laveen. 1215: A functional equation analysis of two learning models. 1216: The asymptotic distribution for the two-absorbing-barrier beta model.
- Kane, T. R. 2046: Impulsive motions.
- Kaneko, Teiyo. 6968: (with Honma, Eiitirō) The equivalence of two definitions of homotopy sets for Kan complexes.
- Kaneyuki, Soji. 2547: (with Nagano, Tadashi) On the first Betti numbers of compact quotient spaces of complex semi-simple Lie groups by discrete subgroups.
- Kangro, G. 1653: (with Tynnov, M.) \dagger Summability factors in sequences for the method of weighted Riesz means. 1652: (with Vichmann, F.) Abstract summability factors for the method of weighted Riesz means.
- Kanki, Takeshi. 7347: Use of the generalized Jost function in quantum field theory. An extension of the Levinson theorem. 5872: (with Ogimoto, Takesi) Restriction on the coupling constant from analyticity and unitarity of the S -matrix.
- Kanô, Seigo. 5679: On the statistical controls of probability distributions.
- Kanold, Hans-Joachim. 4976: Über multiplikativ-benachbare Funktionen. III. 6138: Elementare Betrachtungen zur Primzahltheorie. II.
- Kapadia, C. H. 7106: Minimal sufficient statistics for the partially balanced incomplete block (PBIB) design with two associate classes under an Eisenhart Model II.
- Kapilevič, M. B. 4668: On singular Cauchy problems for the Chaplygin equation.
- Kapitonova, Ju. V. 4852: On the coding of abstract automata.
- Kaplan, Jerome I. 4651: Perturbation theory using a reduced set of states.
- Kaplansky, Irving. 2479: The splitting of modules over integral domains.
- Kappe, Wolfgang. 2511: Gruppentheoretische Eigenschaften und charakteristische Untergruppen. 5975: Zum Begriff des überauflösbar-eingebetteten Normalteilers.
- Kappus, Hans. 1318: Darstellungen von Korrespondenzen algebraischer Funktionenkörper und ihre Spuren.
- Kapur, J. N. 3330: On steady rotational flows of ideal gases for which velocity magnitude is constant along streamlines. 5812: Superposability and self-superposability in fluid dynamics. 2141: (with Jain, R. K.) On the stability of a simple solution of hydromagnetics. 4610: (with Jain, R. K.) Parallel flow in an annular channel in hydromagnetics. I.
- Kapuy, E. 7365: On the correlation problem in the theory of atoms and molecules.
- Karacuba, A. A. 70: Tarry's problem for a system of congruences. 97: Waring's problem for a congruence modulo the power of a prime. 4602: (with Korobov, N. M.) A mean-value theorem.
- Karadilić, Lazar. 6373: Abscisse d'ultraconvergence d'une classe de séries de Dirichlet. 6642a: Certains théorèmes se rapportant aux séries à termes constants. 6642b: Comportement asymptotique de certaines séries à termes constants. 6642c: Un théorème du domaine des séries à termes constants.
- Karamata, J. 2949: On the distribution of intersections of diagonals in regular polygons.
- Karapetjan, S. E. 5500: The pair A and certain properties of the pair T .
- Karas, Karl. 2064: Beanspruchung und Verformung rotierender Scheiben durch axiale Drehmomente.
- Karasik, G. Ja. 2709: On the existence of periodic solutions of a system of differential equations with retarded argument.
- Karczewski, Bohdan. 3365: Fraunhofer diffraction of an electromagnetic wave.
- Karpapolov, M. I. 193: Locally finite groups possessing normal systems with finite factors. 1349: Principal decomposition of a finite group. 2517: On periodic matrix groups. 5062: On the completion of locally nilpotent groups. 6241: On the problem of O. Ju. Šmidt. 1348: (with Merzljakov, Ju. I. and Remeslennikov, V. N.) On a method of group adjunction.
- Karim, Rahmi Ibrahim Ibrahim Abel. 407: Studium des Resonanzfallen bei Systemen linearer gewöhnlicher Differentialgleichungen.
- Karimbaev, T. D. 3279: On the connection between forces, moments and deformations of shells under complex loading.
- Karimov, A. U. 3954: On the reduction of a system of ordinary differential equations of even order to the canonical system of I. S. Arzanyh with an even number of integrals.
- Karimov, B. 3670: Remarks on the Dirichlet principle in the theory of linear Diophantine approximations.
- Karklin, I. P. 1396: On quasi-smooth functions.
- Karklin, I. V. 2776: (with Kac, R. A.) A theorem in the theory of Cesàro-summable integrals.
- Karin, Samuel. 828 (with Fabens, Augustus J.) Generalized renewal functions and stationary inventory models. 6328: (with Loewner, Charles) On some classes of functions associated with exponential polynomials. 539: (with Szegő, G.) On certain determinants whose elements are orthogonal polynomials.
- von Kármán, Th. 7204: (with Dryden, H. L., co-editor) \star Advances in Applied Mechanics. Vol. 7.
- Karmazina, L. N. 3934: (with Žurina, M. I.) \star Tables of the Legendre functions $P_{-1/2+n}(z)$. Vol. II. 3935: (with Žurina, M. I.) \star Tables and formulae for the spherical functions $P_{-1/2+n}^n(z)$.
- Karmilin, A. V. 6183: (with Šoluhova, R. S.) Some formulas for reducing algebraic determinants to polynomial form.
- Karni, Z. 6888: Physical tensors and tensor fields.
- Károlyházy, F. 1662: Über die Asymptotenbedingung in der Quantenfeldtheorie. 3404: On the possibility of a slight modification of Lorentz-invariance in field theory.
- Karp, Samuel N. 6575: (with Morgan, Richard C.) Uniqueness theorem for a surface wave problem in electromagnetic diffraction theory.
- Karpman, V. I. 5934: (with Zakharov, V. E.) On the nonlinear theory of the damping of plasma waves.
- Kártész, Francesco. 3042: Piani finiti ciclici come risoluzioni di un certo problema di minimo. 6843: Beitrag zu einer hundert jährigen Aufgabenfrage der algebraischen Geometrie.
- Karube, Takashi. 6294: On the dimension of an orbit-space.
- Karush, William. 5976: A general algorithm for the optimal distribution of effort. 1708: (with Bellman, Richard) On the maximum transform. 3527: (with Bellman, Richard) Functional equations in the theory of dynamic programming. XII. An application of the maximum transform.
- Karzel, Helmut. 2561: Kommutative Inzidenzgruppen. 2940: Anordnungsfragen in ternären Ringen und allgemeinen projektiven und affinen Ebenen. 6854: Zur Fortsetzung affiner Ordnungsfunktionen. 640: (with Eller, Erich) Involutorische Geometrien.
- Kasahara, Kenkiti. 2638: On irreducibility of an analytic set.
- Kasahara, Yoshiro. 6953: (with Texuka, Keiichi; Ling, Shun Tong and Kitahashi, Tadahiro) Topological evaluation of system determinants.
- Kasami, Tadao. 3538: On an estimator of signal waveform. 6003: Optimum linear finite-dimensional estimator of signal waveforms.
- Kashiwabara, Shōhō. 2990: On the parallelizability under Riemannian metrics of direction fields over 3-dimensional manifolds.
- Kaširskil, Ju. V. 4966: Transference theorems.
- Kassimatis, C. 3835: The integration of the generalized derivatives.
- Kastler, Daniel. 2202: \star Introduction à l'électrodynamique quantique.
- Kastrup, H. A. 2321: Zur physikalischen Deutung und darstellungstheoretischen Analyse der konformen Transformationen von Raum und Zeit.
- Kazymov, K. A. 4471: Solution of a system of linear algebraic equations.
- Katana, P. K. 4759: Many-particle quantum Green's functions in the theory of multi-phonon transitions.

- Katayama, Keiji. 6158: On the Hilbert-Siegel modular group and abelian varieties.
- Kato, Tosio. 631: Abstract evolution equations of parabolic type in Banach and Hilbert spaces. 2876: A generalization of the Heinz inequality. 5432: On a theorem of Kakutani. 7318: Partial differential equations in quantum mechanics. 495: (with Fujita, Hiroshi) On the nonstationary Navier-Stokes system. 461: (with Ikebe, Teruo) Uniqueness of the self-adjoint extension of singular elliptic differential operators.
- Kato, Yoshio. 5268: The space of bounded solutions and removable singularities of the equation $\Delta u + au_x + bu_y + cu = 0$ ($c \leq 0$).
- Katsurada, Yoshio. 2966: Varietà (H, K) di Del Pezzo-Segre attaccante ad una M_n differenziabile e loro trasformazioni infinitesime. 2989: Generalized Minkowski formulas for closed hypersurfaces in Riemann space.
- Katt, S. K. 3140: Use of some a priori knowledge in the estimation of means from double samples. 5665: (with Martin, Donald C.) Approximations to the Neyman Type A distribution for practical problems.
- Katz, Amnon. 2239: Many-body perturbation methods in a soluble model.
- Katz, Melvin L. 1914: The probability in the tail of a distribution. 7451: (with Baum, Leonard E. and Ferguson, John D.) Infinitely repeated matrix games for which pure strategies suffice.
- Katz, Stanley. 3551: A discrete version of Pontryagin's maximum principle.
- Katzin, Gerald H. 1191: (with Davis, William R.) Mechanical conservation laws and the physical properties of groups of motions in flat and curved space-times.
- Kauderer, Hans. 3238: ★Nichtlineare Mechanik. 3239: ★Nichtlineare Mechanik. 6492: Über nichtlineare Schwingungen mit ungestörter Erregung.
- Kauffman, Dolores H. 2368: Note on preferential arrangements.
- Kaufman, A. M. 7357: Elimination of the background integral in the Regge formula.
- Kaufman, Allan N. 2261: (with Watson, Kenneth M.) Statistical theory of the dielectric constant of an imperfect gas.
- Kaufmann, Arnold. 1430: (with Douriaux, Roger) ★Les fonctions de la variable complexe. Théorie et applications au niveau de l'ingénieur.
- Kaup, Wilhelm. 6094a: Holomorphe Vektorfelder und Transformationsgruppen komplexer Räume. 6994b: ★Holomorphe Vektorfelder und Transformationsgruppen komplexer Räume.
- Kautský, Jaroslav. 2026: Approximation of solutions of Dirichlet's problem on nearly circular domains and their application in numerical methods.
- Kawada, Yukiyosi. 4989: Class formations. V. Infinite extension of the p -adic field or the rational field. 4990: Class formations. VI. Restriction to a subfamily.
- Kawai, Toshiharu. 7321: (with Suzuki, Yasutaka; Kayama, Tokuichi and Kodama, Kiyoshi) Fundamental solutions of modified Klein-Gordon equation.
- Kawasaki, Kyōji. 3465: (with Mori, Hazime) On the Green's functions of the Heisenberg spin systems.
- Kawai, Tsusuo. 5646: On the imbedded queueing process of general type.
- Kawatra, M. P. 7373: (with Pathria, R. K.) Quantum statistical mechanics of a many-body system with several components.
- Kay, I. 6467: Some remarks concerning the Bremmer series.
- Kayama, Tokuichi. 7321: (with Suzuki, Yasutaka; Kawai, Toshiharu and Kodama, Kiyoshi) Fundamental solutions of modified Klein-Gordon equation.
- Kazačkov, B. V. 6258: Conditions for strong group factorizability.
- Kazakova, L. E. 6432: Uniqueness and stability theorems for the inverse problem of Newtonian potential for star-shaped sets.
- Kazandzidis, G. S. 2391: A general formula for some number-sequences.
- Kazangapov, A. N. 2637: A nomographic method of storing functions of several variables in the memory of a machine.
- Kazarinoff, N. D. 3340: (with Goodrich, R. F.) Scalar diffractions by prolate spheroids whose eccentricities are almost one.
- Kazarinovskii, M. V. 3399: (with Stepanov, A. V.) Theory of resonance scattering by atomic systems. I. Derivation of general formulas.
- Kazimirski, P. S. 6164: Theorem on elementary divisors for a ring of differential operators.
- Kazanova, A. P. 642: On a property of doubly homological tetrahedra.
- Kaz'min, Ju. A. 2624: Approximability in certain regions by linear aggregates of derivatives of analytic functions. 3890: On the zeros of the successive derivatives of an analytic function.
- Keberle, Edward M. 7048: (with Montet, George L.) Explicit solutions of partial difference equations and random paths on plane nets.
- Keda, N. P. 2010: Chebyshev type quadratures for periodic functions. 3183: Quadrature formulas with derivatives for periodic functions.
- Kegeján, E. M. 4097: Approximation in mean in non-Caratheodory domains.
- Kegel, Otto H. 1362: Aufzählung der Partitionen endlicher Gruppen mit triviale Fitting'sche Unterguppe. 2505: Lokal endliche Gruppen mit nicht-trivialer Partition. 5042: Sylow-Gruppen und Subnormalteiler endlicher Gruppen. 4233: (with Lüneburg, Heinz) Über die kleine Reidemeisterbedingung. II.
- Kegel, Wilhelm H. 2007: Zur numerischen Berechnung der Integrale $\int_0^x f(x)K_n(x)dx$.
- Kelison, J. 1936: A simple random walk and an associated asymptotic behaviour of the Bessel functions.
- Keisler, H. Jerome. 6054: Limit ultrapowers. 3606: (with Chang, C. C.) Applications of ultraproducts of pairs of cardinals to the theory of models.
- Kelbasinski, A. S. 882: A generalization of A. M. Ostrowski's theorems on iteration processes.
- Keldyš, Ijudmila. 3025: Some theorems on topological imbedding.
- Kelendferidze, D. L. 434: On the theory of optimal pursuit.
- Keller, Herbert B. 906: Special block iterations with applications to Laplace and biharmonic difference equations. 3216: On the solution of semi-linear hyperbolic systems by unconditionally stable difference methods.
- Keller, Joseph B. 1652: (with Levy, Bertram R.) Low-energy expansion of scattering phase shifts for long-range potentials. 3476: (with Lewis, Robert M.) Conductivity tensor and dispersion equation for a plasma. 2084: (with Verma, Ghans R.) Three-dimensional standing surface waves of finite amplitude.
- Keller, Robert E. 3232: An analog computer realization of the Euclidean tools.
- Kellerer, Hans G. 5116: Funktionen auf Produkträumen mit vorgegebenen Marginal-Funktionen. 5117: Die Schnittmass-Funktionen messbarer Teilmengen eines Produktraumes. 5118: Ein Zerlegungsproblem für Lebesgue-Mengen.
- Kelley, James E., Jr. 1208: Critical-path planning and scheduling: mathematical basis.
- Kelley, R. L. 1863: (with Swingle, P. M.) Concerning minimal generating subsets of semigroups.
- Kelly, D. H. 1213: Information capacity of a single retinal channel.
- Kelly, J. C. 729: Bitopological spaces.
- Kelly, L. M. 4333: (with Edelstein, M. and Herzog, F.) A further theorem of the Sylvester type.
- Kelman, Robert B. 4099: A class of differential-functional systems. I. 6486: Short proof of a theorem of Wintner on asymptotic integrations of the adiabatic oscillator.
- Kemeny, John G. 3123: A further note on discrete potential theory. 1925: (with Snell, J. Laurie) Boundary theory for recurrent Markov chains.
- Kemhadze, Š. S. 3777: II-regular groups.
- Kemperman, J. H. B. 1946: An analytical approach to the differential equations of the birth-and-death process. 3101a: Changes of sign in cumulative sums. I. 3101b: Changes of sign in cumulative sums. II.
- Kendall, David G. 4413: Hyperstonian spaces associated with Markov chains. II.
- Kendall, Maurice G. 3134: (with Doig, Alison G., co-editor) ★Bibliography of statistical literature 1950-1958.
- Kendall, W. B. 4849: (with Reed, I. S.) Path-invariant comma-free codes.
- Kennedy, E. S. 2350: (with Sharas, Haydar) Two medieval methods for determining the obliquity of the ecliptic.
- Kennedy, Hubert C. 1378: Group membership in semigroups.
- Kennison, J. F. 3009: m -pseudocompactness.
- Kenyon, H. 6097: Two theorems about relations.

- Kenyon, Richard A. 5809: ★Principles of fluid mechanics.
- Kerr, R. P. 2388: Scalar invariants and groups of motions in a four-dimensional Einstein space.
- Kérész, Andr. 2435: A simple proof of a theorem of Steinitz. 5029: On multimodules.
- Kervaire, Michel A. 5584: (with Milnor, John W.) Groups of homotopy spheres. I.
- Kesava Menon, P. 46: On difference sets whose parameters satisfy a certain relation. 85: Some series involving the zeta function. 2761: Summation of certain series. 3659: On Vaidyanathaswamy's class division of the residue classes modulo 'N'. 5431: A class of linear positive operators.
- Kesel'man, G. M. 600: On the single-valued analytic continuability of the resolvent of a bounded linear operator.
- Kel'lijan, Ž. N. 302: On analytic continuation of generalized factorial series. 303: Some criteria of normality of families of analytic functions.
- Kestelman, H. 6186: Anticommuting linear transformations.
- Kesten, H. 101: Uniform distribution mod 1. II. 565: On the extreme eigenvalues of translation kernels and Toeplitz matrices. 5605: Positivity intervals of stable processes.
- Kevorkian, J. 5215: (with Cole, J. D.) Uniformly valid asymptotic approximations for certain non-linear differential equations.
- Khabbaz, Samir. 5055: On a theorem of Charles and Erdélyi. 6249: On the decomposability of abelian groups.
- Khatri, C. G. 6189: A simplified approach to the derivation of the theorems on the rank of a matrix.
- Khinchin, A. I. = Hinčin, A. Ja.
- Khinchin, A. Ya. = Hinčin, A. Ja.
- Khoaan, Vo-Khae. 6896: (with Bass, Jean) Limite d'une suite de fonctions pseudo-aléatoires. Dérivée d'une fonction pseudo-aléatoire.
- Kholia, P. K. 3313: (with Murgai, M. P.) A study of the combined effect of thermal radiative transfer and a magnetic field on the gravitational convection of an ionized fluid.
- Kiefer, J. 1968: An extremum result.
- Kierkegaard-Hansen, Peter. 6312: Matrix symbolism applied to differential calculus.
- Kiesewetter, H. 6633: (with Aczél, J.) Über die Reduktion der Stufe bei einer Klasse von Funktionalgleichungen.
- Kikkawa, K. 1080: (with Ezawa, H. and Umezawa, H.) A formulation for the bound-state problems.
- Kikuohi, Shigetaka. 4301: Theory of Minkowski space and of non-linear connections in a Finsler space.
- Kildal, A. 3475: On the relation between Landau damping and energy absorption. 4614: On linear and non-linear hydromagnetic fluid motion generated by oscillating solid boundaries. I.
- Killam, Eleanor. 2895: The spectrum and the radical in locally m -convex algebras.
- Kilmister, C. W. 7191: The existence of integrals of dynamical systems linear in the velocities.
- Kim, Y. S. 1687: (with Jaffo, A. M.) Complex angular momentum in two-channel problems.
- Kimura, Toshiei. 4787: (with Narita, Hidekazu) On the canonical formalism of the gravitational field in the expanding universe.
- Kimura, Toshiusa. 6469: Sur la direction de Julia au point singulier fixe d'une équation différentielle du premier ordre.
- Kingman, J. F. C. 821: Spitzer's identity and its use in probability theory. 822: The use of Spitzer's identity in the investigation of the busy period and other quantities in the queue GI/GI. 1939: Two similar queues in parallel. 3119: The imbedding problem for finite Markov chains. 5654: On queues in heavy traffic. 7044: A continuous time analogue of the theory of recurrent events. 7051: Random walks with spherical symmetry.
- Kinney, J. R. 819: The convex hull of plane Brownian motion. 1466: Tangential limits of functions of the class S_α .
- Kino, Akiko. 1268: On ordinal diagrams. 3805: (with Takeuti, Gaisi) A note on predicates of ordinal numbers.
- Kinoshita, T. 5893: (with Bothe, H. A.) Behavior of Regge poles in a potential at large energy.
- Kinukawa, Masakiti. 6894: On the spectral synthesis of bounded functions. 2829: (with Igari, Satoru) Transformations of conjugate functions.
- Kippenhahn, Rudolf. 7426: Differential rotation in stars with convective envelopes.
- Kiprijanov, I. A. 1771: On a class of imbedding theorems with weight.
- Kirby, D. 1332: A note on superficial elements of an ideal in a local ring. 2441: The genus of an algebraic curve. 2465: Monoidal transformations in a one-dimensional local ring.
- Kirillova, F. M. 1594: Some questions in the theory of optimal control.
- Kirsch, Arnold. 5456: Über die Bedeutung der Relation "zerlegungsgleich" in der elementaren Flächeninhalttheorie.
- Kis, O. 1665: On the convergence of interpolation processes in certain function spaces.
- Kiselev, A. A. 3687: (with Slavutskii, I. S.) Some congruences for the number of representations as sums of an odd number of squares.
- Kish, Leslie. 1984: (with Namboodiri, N. Krishnan and Pillai, R. Krishna) The ratio bias in surveys.
- Kishi, Masanori. 1486: Unicity principles in the potential theory.
- Kisi, Takasi. 3518: (with Hiyoashi, Kenji) The effect of a traffic light on a Poisson flow.
- Kiss, Ernest. 1278: Remarques relatives à la représentation des fractions subunitaires en somme des fractions ayant le numérateur égal à l'unité. 1279: Résolution en nombres naturels de l'équation diophantienne $x^2 + y^3 = z^4$.
- Kist, Joseph. 1887: Minimal prime ideals in commutative semigroups. 6083: Representations of Archimedean function rings. 6082: (with Johnson, D. G.) Complemented ideals and extremely disconnected spaces.
- Kister, J. M. 1868: (with McMillan, D. R., Jr.) Locally euclidean factors of E^4 which cannot be imbedded in E^3 .
- Kisynski, Jan. 5313: Application de la méthode des approximations successives dans la théorie de l'équation $\partial^2 z / \partial x \partial y = f(x, y, z, \partial z / \partial x, \partial z / \partial y)$. 6616: Sur l'existence des solutions de l'équation $\partial^2 z / \partial x \partial y = f(x, y, z, \partial z / \partial x, \partial z / \partial y)$.
- Kitagawa, Tosio. 3158: A mathematical formulation of the evolutionary operation program.
- Kitahashi, Tadahiro. 6953: (with Kasahara, Yoshiro; Tezuka, Keiichi and Ling, Shun Tong) Topological evaluation of system determinants.
- Klabukova, L. S. 4628: An application of the Fourier transform to the solution of a diffraction problem.
- Klaus, Dieter. 3616: Transfinite reelle Zahlenräume. 4926: Zur Definition reeller Ordinalzahlen.
- Klauder, John R. 7403: Covariant quantization of the gravitational field.
- Klebe, J. 1009: (with Richter, W.) Untersuchungen über die Erreichung optimaler Abbildungsbedingungen bei einer verkittenen Doppellinse. 1008: (with Benda, S.; Lehmann, H.-R. and Miesel, K.) Über eine Methode zur Bestimmung von Brennweiten optischer Systeme.
- Klee, Victor. 3627: The Euler characteristic in combinatorial geometry. 6632: Rearrangements of series of vectors. 6730: A question of Katětov concerning the Hilbert parallelopiped. 6731: On a question of Bishop and Phelps.
- Kleiner, W. 3924: Sur l'approximation du diamètre transfini.
- Kleisli, H. 172: (with Eckmann, B.) Algebraic homotopy groups and Frobenius algebras.
- Klepikov, N. P. 4684: Removal of ambiguities in phase-shift analysis.
- Klevans, E. H. 1167: (with Osborn, R. K.) Photon transport theory.
- Klimanova, T. M. 5502a: (with Rozenfel'd, B. A. and Pecko, N. D.) Projective theory of vectors. I. 5502b: (with Rozenfel'd, B. A. and Pecko, N. D.) Projective theory of vectors. II.
- Klimovsky, Gregorio. 4922: The axiom of choice and the existence of maximal commutative subgroups.
- Klimulev, A. I. 2689: On asymptotic stability of systems with after-effect containing a small parameter as coefficient of the derivatives.
- Klingenber, Wilhelm. 233: Lineare Gruppen über verallgemeinerten Bewertungen. 639: Projektive Geometrie und lineare Algebra über verallgemeinerten Bewertungen. 1867: Die Struktur der linearen Gruppe über einem nichtkommutativen lokalen Ring. 1831: On the topology of Riemannian manifolds where the conjugate points have a similar distribution as in symmetric spaces of rank 1.

- Ključin, V. L. 3010: Paracompactness and countable paracompactness.
- Kloeck, T. 7436: (with Theil, H.) The statistics of systems of simultaneous economic relationships.
- Klokov, Ju. A. 1535: A boundary-value problem with a condition at infinity for a second-order ordinary differential equation.
- Klopfenstein, K. F. 6480: (with Stein, F. Max) A remark on singular Sturm-Liouville differential equations.
- Klosner, Jerome M. 3262: The elasticity solution of a long circular-cylindrical shell subjected to a uniform, circumferential, radial line load.
- Kloss, B. M. 1917: Stable distributions on a class of locally compact groups.
- Klotz, Jerome. 7093: Small sample power and efficiency for the one sample Wilcoxon and normal scores tests.
- Klotz, Tilla. 1453: The geometry of extremal quasiconformal mappings.
- Klitzler, Rolf. 459: Ein Einschließungssatz für Eigenwerte zu Randwertproblemen bei elliptischen linearen partiellen Differentialgleichungen.
- Kluecký, Dalibor. 650: Affinity in three-dimensional affine space. I, II.
- Kluczy, C. 1542: On the asymptotic behaviour of the solutions of a system of ordinary differential equations.
- Kluitenberg, G. A. 3292: On rheology and thermodynamics of irreversible processes.
- Klüver, J. W. 2151: Potential form of the small signal power theorem. 2150: (with Bobroff, D. L. and Haus, H. A.) On the small signal power theorem of electron beams.
- Klyamko, E. K. 2043: (with Akushsky, I. Y.; Emelianov-Yaroslavsky, L. B.; Linsky, V. S. and Monakhov, G. D.) Methods of speeding-up the operation of digital computers.
- Knapowski, S. 69: Mean-value estimations for the Möbius function. II. 89: Contributions to the theory of the distribution of prime numbers in arithmetical progressions. III. 90: Contributions to the theory of the distribution of prime numbers in arithmetical progressions. III. 6131: On Linnik's theorem concerning exceptional L -zeros. 3682a: (with Turán, P.) Comparative prime-number theory. I. Introduction. 3682b: (with Turán, P.) Comparative prime-number theory. II. Comparison of the progressions $\equiv l \pmod k$ and $\equiv l' \pmod k$, $l \neq l' \pmod k$. 3682c: (with Turán, P.) Comparative prime-number theory. III. Continuation of the study of comparison of the progressions $\equiv l \pmod k$ and $\equiv l' \pmod k$. 3682d: (with Turán, P.) Comparative prime-number theory. IV. Paradigms to the general case, $k=8$ and 5 . 3682e: (with Turán, P.) Comparative prime-number theory. V. Some theorems concerning the general case. 3682f: (with Turán, P.) Comparative prime-number theory. VI. Continuation of the general case.
- Kneale, Martha. 2353: (with Kneale, William) The development of logic.
- Kneale, William. 2353: (with Kneale, Martha) The development of logic.
- Kneser, Hellmuth. 6361: ★ Funktionentheorie.
- Knight, A. J. 2445: Algebraic cycles of dimension four lying on certain abelian varieties. 6165: A classification of the cycles on an abelian variety.
- Knight, Frank. 5626: Markov processes on an entrance boundary.
- Knight, William. 1961: The use of the range in place of the standard deviation in Stein's test.
- Knochloch, H. W. 2694: An existence theorem for periodic solutions of non-linear ordinary differential equations.
- Knoff, Jörigen B. 1027: The theory of irreversible processes and plasma physics.
- Knopfmacher, J. 5032: Universal envelopes for non-associative algebras.
- Knopp, Marvin Isadore. 230: A note on subgroups of the modular group. 3901: On abelian integrals of the second kind and modular functions.
- Knops, Robin J. 7206: A reciprocal theorem for a first order theory of electrostriction.
- Knox, Joseph B. 5971: Numerical errors in the time integration of advective processes.
- Knuth, Donald E. 5763: Euler's constant to 1271 places.
- Kobayashi, Shoshichi. 5525: Homogeneous Riemannian manifolds of negative curvature. 4284: (with Boothby, W. M. and Wang, H. C.) A note on mappings and automorphisms of almost complex manifolds.
- Kobayashi, Teiichi. 1889: A theorem on weak homotopy equivalences. 6969a: Homotopy groups with coefficients and a generalization of Dold-Thom's isomorphism theorem. I. 6969b: Homotopy groups with coefficients and a generalization of Dold-Thom's isomorphism theorem. II.
- Kobe, Donald H. 1126: Spectral representation of the many-time, causal Green's function in nonrelativistic many-body theory.
- Kobrinski, N. E. 4866: (with Trahtenbrot, B. A.) ★ Introduction to the theory of finite automata.
- Kočetkov, G. V. 7266: (with Ginzburg, I. P.) The turbulent boundary layer of a non-insulated profile or axi-symmetric body in a compressible fluid.
- Kočetkov, A. N. 2608: Extremal problems for analytic functions with positive real part satisfying additional conditions.
- Koch, Helmut. 3699: Über galoissche Erweiterungen p -adischer Zahlkörper. 6157: The Galois group of a local field.
- Kočin, N. E. 6887: ★ Vector calculus and the elements of tensor calculus.
- Kočina, N. N. 980: (with Mel'nikova, N. S.) On the motion of a piston in an ideal gas.
- Kocur, M. F. 313: On a class of univalent functions in the circle. 6406: On a subclass of functions analytic in a circular annulus.
- Kodaira, Kunihiko. 61: (with Iyanaga, Shōkichi) ★ General concepts of modern mathematics. I. Modern mathematics, Vol. I. 5595: (with Spencer, D. C.) Multifoliate structures.
- Kodama, Kiyoshi. 7321: (with Suzuki, Yasutaka; Kayama, Tokuchi and Kawai, Tohsharu) Fundamental solutions of modified Klein-Gordon equation.
- Kodama, Shinzo. 3543: Stability of nonlinear sampled-data control systems. 4858: Stability of a class of discrete control systems containing a nonlinear gain element.
- Kodama, Yukihiko. 775: Note on Hopf's extension theorem. 5572: Some characterizations of homological dimension.
- Koecher, M. 1344: On real Jordan algebras. 2475: Eine Charakterisierung der Jordan-Algebren.
- Kofoed-Hansen, O. 3321: (with Wandel, C. F.) On the Eulerian-Lagrangian transform in the statistical theory of turbulence.
- Koga, Toyoki. 1155: Kinetic equations for plasmas.
- Kogalovskii, S. R. 4909: Structural characteristics of universal classes.
- Kogan, B. I. 7313: (with Hrustalev, A. F.) On the temperature field of the infinite field of a cylinder with mixed boundary conditions.
- Kogan, H. M. 5449: A variational problem in approximation theory.
- Kogan, M. N. 3324: Hypersonic flows of rarefied gas.
- Kogan, S. M. 7305: On the electrodynamics of weakly nonlinear media.
- Kogan, Sh. M. = Kogan, S. M.
- Kohlbecker, Eugene E. 2417: (with Bateman, Paul T. and Tull, Jack P.) On a theorem of Erdős and Fuchs in additive number theory.
- Kohls, Carl W. 617: A note on countably generated ideals in rings of continuous functions. 618: Hereditary properties of some special spaces.
- Kohn, J. J. 6996: Regularity at the boundary of the $\bar{\delta}$ -Neumann problem.
- Koiter, W. T. 5799: Elastic stability and post-buckling behavior.
- Koizumi, Sumiyuki. 5366: Hilbert transforms in the Stepanoff space.
- Kok, P. J. 4472: (with Elston, E.) The evaluation of determinants.
- Kokareva, T. A. 2002: Approximate calculation of the roots of the equation $z^n = A + Bz^k$.
- Kolberg, O. 1287: Congruences for the coefficients of the modular invariant $j(\tau)$.
- Kolesnik, I. A. 948: Application of the operational method to transverse oscillations of a rod in the presence of resistance.
- Kelihiar, M. 4940: Bemerkungen über Intervalltopologie in halbgeordneten Mengen.
- Kolomieć, V. G. 425: Parametric action of a random force on a non-linear oscillatory system. 2954: On the parametric effect of a harmonic and random force on a nonlinear oscillatory system. 3990: A study of non-linear oscillatory systems with several degrees of freedom in the presence of random perturbations.
- Kolemý, Josef. 6796: On the solution of homogeneous functional equations in Hilbert space. 6822: Über die Lösung der im Banach-schen Raum definierten nichtlinearen Gleichungen.
- Kolosowski, Władysław. 2154: Analysis of surface waves over a dielectric guiding surface; the reflection coefficient.

- Kolstrud, Marius. 3393: Semi-classical limits of Dirac's equation.
- Komar, Arthur. 4779: Positive-definite energy density and global consequences for general relativity. 5352: Generators of coordinate transformations in the Penrose formalism of general relativity.
- Komatsu, Hikosaburo. 4050: On interior regularities of the solutions of principally elliptic systems of linear partial differential equations.
- Komatu, Yūsaku. 5147: On an extension of a theorem of Wolff. 2618: (with Nishimura, Han) On asymptotic behavior of analytic functions regular in a strip.
- Kompaneec, A. S. 3775: ★Theoretical physics.
- Kompaneets, A. S. = Kompaneec, A. S.
- Kōmura, Yukio. 1741: On linear spaces of functions.
- Kondo, Mamoru. 3513: (with Toda, Iwao and Muroga, Saburo) Majority decision functions of six variables.
- Kondo, Sohei. 4757: (with Ono, Syu) Molecular theory of surface tension in liquids.
- Kondrakov, V. I. 466: The theory of boundary-value problems in regions with a degenerate contour for variational equations and partial differential equations. 4072: On the theory of boundary-value problems with boundary conditions containing parameters.
- Kondrat'ev, V. A. 2719: On the solvability of the first boundary value problem for elliptic equations.
- Konheim, Alan G. 4824: The number of bisecting strategies for the game $\Gamma(N)$. 4172: (with Adler, Roy L.) A note on translation invariants. 4376: (with Flatto, Leopold) The random division of an interval and the random covering of a circle.
- König, Heinz. 1714: Lineare dissipative Systeme. 4114: (with Tobergté, Jürgen) Ein Problem der Approximation mit trigonometrischen Funktionen. 5426: (with Tobergté, Jürgen) Reversibilität und Irreversibilität von linearen dissipativen Systemen.
- König, Herbert W. 4622: Elektrokinetische Wirbelströmungen.
- Königberger, Konrad. 6442: Thetafunktionen und multiplikative automorphe Funktionen zu vorgegebenen Divisoren in komplexen Räumen.
- Konijn, H. S. 5687: Regression analysis in sample surveys.
- Konjukov, A. A. 1683: On certain sets of sequences and functions defined by the behavior of Fourier series. 1684: Best approximations by transforming the Fourier coefficients by the method of arithmetic means and on Fourier series with non-negative coefficients.
- Konne, Shuji. 4986: On Artin's L -functions of the algebraic curves uniformized by certain automorphic functions.
- Konuma, Michiji. 4684: (with Umezawa, Hiroomi and Wada, Morihiro) General theory of the gauge transformation for vector meson fields.
- Kooij, J. M. J. 1194: Gravitational speed and unmanned space flight.
- Kopeć, J. 276: Quasi-analytic classes of vector functions.
- Kopp, Richard E. 5451: On the Pontryagin maximum principle.
- Kopp, Heinz. 4658: On a special representation in quantum theory.
- Koppelman, Walter. 3916: The Riemann-Hilbert problem for finite Riemann surfaces.
- Kopytov, V. M. 6284: (with Šovrin, L. N.) Semigroups with relatively complemented subsemigroups.
- Kordylewski, Jerzy. 502: (with Kuczma, Marek) On some functional equations.
- Korepov, V. G. 7143: An iteration method for solving the complete problem of eigenvalues.
- Korevaar, J. 6700: Square roots relative to convolution.
- Korfhage, Robert R. 241: (with Levine, Jack) Automorphisms of abelian groups induced by involutory matrices. 2502: (with Levine, Jack) Automorphisms of abelian groups induced by involutory matrices, modulo $p > 2$.
- Korickil, G. V. 2600: (with Bazilevič, I. E.) Some properties of level curves of univalent conformal mappings.
- Korjavev, P. P. 7168: Numerical computation of high-temperature laminar jets.
- Korn, Granino A. 5765: (with Huskey, Harry D., co-editor) ★Computer handbook.
- Kornejčuk, N. P. 6661: On the best approximation of continuous functions.
- Körner, Otto. 2423: Ganze algebraische Zahlen als Summen von Polynomwerten. 4085: Berichtigung zu der Arbeit: "Über Mittelwerte trigonometrischer Summen und ihre Anwendung in algebraischen Zahlkörpern".
- Környei, I. 4971: Eine Bemerkung zur Theorie der durch quadratischen Formen darstellbaren Primzahlen.
- Korobelnik, Ju. F. 428: On a class of differential equations of infinite order with variable coefficients. 429: On a method of studying a differential equation of infinite order. 1588: Analytic solutions of an equation of infinite order with polynomial coefficients. 1589: A uniqueness theorem for an equation of infinite order with rapidly increasing coefficients.
- Korobov, N. M. 4962: (with Karacuba, A. A.) A mean-value theorem.
- Koroliuk, V. S. 559: On a problem for an integral equation on a semi-axis. 5682: Asymptotic analysis of distributions of maximum deviation on a lattice random walk. 4395: (with Gusak, D. V.) On the asymptotic behaviour of distributions of maximal deviations in the Poisson process.
- Koremydinke, V. D. 1668: Some generalizations of V. A. Markov's problem and basis theorem, corresponding to the criterion of P. L. Chebyshev and A. A. Markov. II.
- Koronkevič, A. I. 384: Solutions of linear systems of differential equations with random free terms.
- Koretskev, V. B. 1747: Abstract set functions and imbedding theorems.
- Korovkin, P. P. 1404: Monotone functionals and the existence of primitives.
- Korringa, J. 1161: Spin waves in an antiferromagnet with $S=1/2$. 1141: (with Yoshimori, A.) A Fokker-Planck equation for spin relaxation. 1142: (with Yoshimori, A.) Theory of relaxation of a two-spin system.
- Kortanek, K. 1207: (with Charnes, A. and Cooper, W. W.) A duality theory for convex programs with convex constraints.
- Kósály, András. 634: Un criterio sufficiente per il minimo assoluto nel caso di estremi variabili. 635: Alcune estensioni di un metodo di M. Picone nel calcolo delle variazioni e loro applicazioni. 2907: A simple proof of the spatial Legendre condition. 5446: Un criterio sufficiente per il minimo assoluto degli integrali doppi nel caso di contorno variabile.
- Kesaly, G. 1057: (with Turner, R. E.) Quasi-classical approximation in neutron scattering.
- Kosambi, D. D. 3690: The sampling distribution of primes.
- Koschmieder, L. 4967: Zu Eisensteins transzendentalem Beweis des quadratischen Reciproxitätsatzes. 6449: Transzendentale Summensätze der Funktion F_p von Lauricella.
- Košelev, A. I. 2727: Involution transformations and the method of successive approximations for elliptic equations.
- Kosević, A. M. 5794: The equation of motion of a dislocation. 7224: (with Pastur, L. A.) A dislocation model of a twin. 7225: (with Pastur, L. A.) Correction to the paper "Dislocation model of a twin". 7226: (with Pastur, L. A.) Form of a thin twin inclined at an angle to the surface.
- Kosevich, A. M. = Kosević, A. M.
- Koshliakov, V. N. = Koljajev, V. N.
- Kosik, P. 3372: (with Fényes, T.) Sur les systèmes des barres conductrices de la chaleur.
- Kosinski, A. 669: Note on star-shaped sets.
- Koljajev, V. N. 5778: On the stability of motion of a horizontal gyrocompass in the presence of dissipative forces.
- Kostant, Bertram. 265: Lie algebra cohomology and the generalized Borel-Weil theorem. 266: Lie algebra cohomology and generalized Schubert cells. 167: (with Hochschild, G. and Rosenberg, Alex) Differential forms on regular affine algebras.
- Kostin, O. V. 392: Asymptotic formulas for the solutions of linear systems of ordinary differential equations.
- Kostomarov, D. P. 2262: (with Dnestrovskii, Ju. N.) Propagation of electromagnetic waves in a plasma across an exterior magnetic field.
- Kostovskii, A. N. 297: Determination of strict inequalities between the moduli of roots in transforming algebraic equations by the Lobachevsky-Graeffe method.
- Kostrikin, A. I. 6224: Strong degeneracy of simple Lie p -algebras. 3752: (with Krokin, V. A.) Lie algebras with regular automorphisms.
- Koszul, Jean-Louis. 3699: Domaines bornés homogènes et orbites de groupes de transformations affines.
- Kotake, Takeshi. 6682: Sur l'analyticité de la solution du problème de Cauchy pour certaines classes d'opérateurs paraboliques. 6619:

- (with Narasimhan, Mudumbai S.) Regularity theorems for fractional powers of a linear elliptic operator.
- Kothari, D. S. 93: (with Auluck, F. C.) Symposium on statistical mechanics and the partition theory of number (abstract of paper).
- Köthe, Gottfried. 5408: Vollständige lokalkonvexe Räume abzählbarer Dimension.
- Kotkin, B. 5756: (with Bellman, R.) On the numerical solution of a differential-difference equation arising in analytic number theory.
- Kotljar, B. D. 4102: (with Brudnyi, Ju. A.) The order of growth of ε -entropy on certain compact classes of functions.
- Kotô, Satoshi. 5527: (with Mizusawa, Hideo) Holomorphically projective curvature tensors in certain almost Kählerian spaces.
- Kotzig, Anton. 757: Die zusammenhängenden Teilgraphen mit minimalem Wert in dem endlichen bewerteten Graphen. 6955: On the theory of finite graphs with a linear factor. I, II, III.
- Koutský, Z. 1910: (with Driml, M.) Questions of obtaining random variables by means of counters.
- Kovács, I. 623: (with Foiaş, C.) Une caractérisation nouvelle des algèbres de von Neumann finies.
- Kovács, L. G. 5079: (with Newman, M. F.) Direct complementation in groups with operators.
- Kovalenko, I. N. 5651: Some queueing problems with restrictions.
- Kovalev, O. V. 6261: ★Irreducible representations of space groups.
- Kovalevskii, V. A. 4516: (with Eliseev, V. K.) A study of a recognition algorithm for typed characters.
- Kovan'ko, A. S. 549: On the expansibility of S_p and W_p , almost periodic functions into finite sums of the same. 1748: A criterion for compactness of systems B and B_p , almost periodic functions.
- Kowalski, K. L. 7326: (with Feldman, D.) Transition matrix for nucleon-nucleon scattering. II.
- Kowalski, Oldřich. 3695: Über positiv definite Basen über reellen Integritätsbereichen.
- Kowalski, Z. 2013: An iterative method of solving differential equations.
- Kozai, Yoshide. 7424: Mean values of cosine functions in elliptic motion.
- Koženikov, D. A. 2320: (with Guberman, Š. A.) The determination of the actual variation of a field from its integral characteristics.
- Kozin, Frank. 2688: On almost sure stability of linear systems with random coefficients. 4466: On approximations to the densities and moments of a class of stochastic systems. 926: (with Bogdanoff, J. L.) Moments of the output of linear random systems. 4374: (with Bogdanoff, John L., co-editor) ★Proceedings of the First Symposium on Engineering Applications of Random Function Theory and Probability.
- Kozlovcev, S. G. 3834: The connection between the Schwarz derivative and set derivatives.
- Kofniewska, I. 811: Ergodicité et stationnarité des chaînes de Markoff variables à un nombre fini d'états possibles.
- Krakowski, Fred. 4223: Affine transformations and mirror-symmetry.
- Král, Josef. 5135: On Lebesgue area of simple closed surfaces.
- Krall, Nicholas A. 4749: (with Rosenbluth, Marshall N.) Low-frequency stability of nonuniform plasmas.
- Kramer, C. Y. 4438: (with Fields, R. I. and Clunies-Ross, C. W.) Joint estimation of the parameters of two normal populations.
- Krammer, Gergely. 2948: An extremal property of regular tetrahedra.
- Krapivin, V. F. 2841: (with Linkovskii, G. B.) Approximate solution of the singular integral equation of Lalesco-Picard.
- Krasil'nikov, K. V. 6668: (with Gubanov, G. P.) Some methods of approximating continuous functions of two variables by trigonometric polynomials.
- Krasil'nikov, V. N. 2075: Scattering of flexure waves on an inhomogeneous elastic plate.
- Krasner, Marc. 111: Nombre des extensions d'un degré donné d'un corps p-adique: énoncé des résultats et préliminaires de la démonstration (espace des polynômes, transformation T). 112: Nombre des extensions d'un degré donné d'un corps p-adique: suite de la démonstration. 1307: Nombre des extensions de degré donné d'un corps p-adique: compléments au théorème 1 dans le cas non p-adique; démonstration du théorème 2. 6162: Nombre des extensions de degré donné d'un corps de nombres p-adiques: les conditions d'Ore et la caractérisation de $E_{L,p}^{\text{ad}}$; préliminaires du calcul de $N_{L,p}^{(n)}$.
- Krasnodembakil, A. M. 1557: On periodic solutions of one type of nonlinear differential equations.
- Krasnosel'skii, M. A. 2862: ★Positive solutions of operator equations. 2875: (with Bahtin, I. A.) The method of successive approximations in the theory of equations with concave operators. 419: (with Ljubarskii, G. Ja.) Transitory solutions of non-linear equations. 7146: (with Rutickii, Ja. B.) Some approximate methods of solving non-linear operator equations by linearization. 6717: (with Stecenko, V. Ja.) Some non-linear problems with many solutions.
- Krasovskii, A. A. 1234: A two-channel servo system with antisymmetric feedback in the case of random disturbances.
- Krasovskii, N. N. 431: On a problem in tracking. 2706: On the analytic construction of an optimal control in a system with time lags. 5255: ★Stability of motion. Applications of Lyapunov's second method to differential systems and equations with delay.
- Krätochvíl, J. 2070: Elastic stress around linear dislocation in anisotropic medium.
- Krätszel, Ekkehard. 1296: Über die Anzahl der Darstellungen von natürlichen Zahlen als Summe von $4k+2$ Quadraten. 2642: (with Maier, Wilhelm) Höhere Thetafunktionen.
- Kravcová, R. I. 3933: (with Beljakov, V. M. and Rappoport, M. G.) ★Tables of elliptic integrals. Vol. I.
- Kravetz, Saul. 6402: On the geometry of Teichmüller spaces and the structure of their modular groups.
- Krawczyk, Rudolf. 5743: Über Differenzenverfahren bei parabolischen Differentialgleichungen.
- Krein, M. G. 6777: (with Gohberg, I. C.) On the problem of factoring operators in a Hilbert space. 400: (with Ljubarskii, G. Ja.) Analytic properties of the multipliers of periodic canonical differential systems of positive type.
- Krein, S. G. 4030: (with Berezanskii, Ju. M. and Roitberg, Ja. A.) A theorem on homeomorphisms and local increase of smoothness up to the boundary for solutions of elliptic equations.
- Kreisel, G. 3599: Set theoretic problems suggested by the notion of potential totality. 2361: (with Feferman, S. and Orey, S.) 1-consistency and faithful interpretations.
- Kreith, Kurt. 6563: A new proof of a comparison theorem for elliptic equations.
- Kreknin, V. A. 3752: (with Kostrikin, A. I.) Lie algebras with regular automorphisms.
- Kremser, H. 4812: Ein einfaches Wartezeitproblem bei einem Poisson-schen Verkehrsrhythmus.
- Krensjakova, L. V. 6423: Some estimates for regular functions with bounded mean modulus.
- Kroyssig, Erwin. 2904: On a class of integral operators of Bergman-Whittaker type.
- Krikunov, Ju. M. 4061: Some problems for an equation of M. A. Lavrent'ev.
- Kripke, Saul A. 3379: Semantical analysis of modal logic. I. Normal modal propositional calculi.
- Krishna, J. Gopala. See Gopala Krishna, J.
- Krishnan, N. S. Gopala. See Gopala Krishnan, N. S.
- Krishnan, V. S. 3004: Symposium on the role of order in topology. General introduction.
- Kristian, Jerome. 4805: Hydromagnetic oscillations of a fluid sphere about the equipartition state. 4806: Perturbations of the equipartition state in hydromagnetics: the tensor virial approximation.
- Krivocheine, L. E. 4143: (with Mangeron, Demeter) Sur l'évaluation des erreurs de détermination des solutions d'une classe d'équations intégrodifférentielles aux dérivées totales.
- Krivocheine, L. = Krivošein, L. E.
- Krivošein, L. E. 567: (with Mangeron, D.) Some questions on the solution of integro-differential equations. 1722: (with Mangeron, D.) Approximate solution of boundary-value problems for ordinary integro-differential equations. 2845: (with Mangeron, D.) Recherches des solutions des équations intégré-différentielles par la méthode polynomiale. 2846: (with Mangeron, D.) Il metodo polinomiale nell'integrazione delle equazioni integro-differenziali. 5389: (with Mangeron, D.) Méthode polynomiale d'approximation des solutions des équations intégré-différentielles d'ordre supérieur.
- Krizan, John E. 3474: (with Havas, Peter) Relativistic corrections in the statistical mechanics of interacting particles.

- Kröl, M. 197: Separable groups. I.
- Kromminga, A. J. 2191: (with Bolsterli, M.) Perturbation theory of many-boson systems.
- Kron, Gabriel. 4637: Graphs as illegitimate models of electrical networks. 5854: Camouflaging electrical 1-networks as graphs.
- Krotkov, Robert. 1176: (with Bertotti, Bruno and Brill, Dieter) Experiments on gravitation.
- Krotov, V. F. 633: Discontinuous solutions of variational problems.
- Kroupa, F. 3273: Continuous distribution of dislocation loops. 3274: The interaction between prismatic dislocation loops and straight dislocations. I.
- Kruglikova, L. G. 886: (with Krylov, V. I.) A numerical Fourier transform.
- Krull, Wolfgang. 1381: Automorphismen und Spiegelungen eudoxischer Halbgruppen.
- Kruppa, Erwin. 6838: Darstellende Geometrie im projektiven Raum mit elliptischer oder hyperbolischer Massbestimmung.
- Kruse, A. H. 1273: Completion of mathematical systems. 4917: Constructive methods of numeration. 4918: Some observations on the axiom of choice.
- Krylov, I. A. 6540: (with Cernous'ko, F. L.) The method of successive approximations for solving optimal control problems.
- Krylov, V. I. 886: (with Kruglikova, L. G.) A numerical Fourier transform. 2008: ★Approximate calculation of integrals. 5713: (with Fedenko, N. P.) Approximate representation of the integral $\int_0^{\infty} x^{a-s} f(x) dx$ by mechanical quadrature containing the value $f(0)$.
- v. Kryzwohocki, M. Z. 981: On the existence proof of the flow in the boundary layer in a compressible fluid. I, II. 6551: Association of partial differential equations with ordinary ones and its applications. 7307: Scattering and attenuation of electromagnetic waves in a turbulent medium. 7306: On the fundamentals of the relativistic theories (perfect fluid hypothesis).
- Krzyż, J. 6384: The radius of close-to-convexity within the family of univalent functions. 6385: On the derivative of close-to-convex functions.
- Krzymański, M. 1634: Une propriété des solutions de l'équation linéaire du type parabolique à coefficients non bornés. 2902: Certains opérateurs fonctionnels et l'équation intégrale de Smoluchowski.
- Krzyżewski, K. 283: On change of variable in the Denjoy-Perron integral. II.
- Kshirsagar, A. M. 1919: The goodness-of-fit of a single (non-isotropic) hypothetical principal component.
- Ku, H. H. 4441: (with Kullback, S. and Kupperman, M.) An application of information theory to the analysis of contingency tables, with a table of $2n \ln n$, $n=1(1)10,000$.
- Kubik, L. 1915: Limiting distributions of sums of r -valued random variables. 1916: A characterization of the class \mathcal{L} of probability distributions. 4386: Some analogies between the class of infinitely divisible distributions and the class \mathcal{L} of distributions.
- Kubilius, J. 3691: ★Probabilistic methods in the theory of numbers.
- Kublanovskaja, V. N. 3175: Some iteration processes of symmetrizing matrices.
- Kubo, Ryogo. 7370: Stochastic Liouville equations.
- Kubota, Isao. 437: On some differential equations. II. 438: On some differential equations. III.
- Kucharszewski, M. 698a: Die kovarianten Vektorkomitanten, die aus kontravarianten Vektoren gebildet sind. 698b: Die skalaren Komitanten, welche aus kovarianten und kontravarianten Vektoren gebildet sind.
- Kuczma, Marek. 1644: A remark on commutable functions and continuous iterations. 5319: Functional equations and their significance in modern mathematics. 6634: A uniqueness theorem for a linear functional equation. 502: (with Kordylowski, Jerzy) On some functional equations.
- Kudaev, M. B. 1586: A study of the behaviour of the trajectories of systems of differential equations by means of Lyapunov functions. 2691: The Lyapunov function for the influence domain of a higher-order singular point.
- Kudo, Hirokichi. 5700: Locally complete class of tests.
- Kuehl, Hans H. 4626: Electromagnetic radiation from an electric dipole in a cold anisotropic plasma.
- Kuehn, Heidi G. 2034: A 48-bit pseudo-random number generator.
- Kuharenko, Ju. A. 5914: (with Aleksandrov, I. B. and Niukkanen, A. V.) The kinetic equation of quantum statistical mechanics.
- Kuhmann, Norbert. 4394: Über den Satz von Bernoulli.
- Kuiper, F. 2422: (with Popken, J.) On the so-called von Neumann-numbers.
- Kuiper, Nicolaas H. 3076: On convex maps. 3075: (with Eells, James, Jr.) Manifolds which are like projective planes.
- Kuipers, L. 6339: Continuous distribution mod 1 and independence of functions. 1507: (with Meulenbeld, B.) Quelques intégrales pour les fonctions de Legendre associées généralisées. 6454: (with Robin, L.) Sur une intégrale de contour de la théorie des fonctions de Legendre généralisées.
- Kuks, L. M. 441: Sturm's theorem and the oscillation of solutions of strongly elliptic systems.
- Kulabuhova, I. I. 5192: On integrals appearing in the problem of non-stationary flow on an apron.
- Kulagina, O. S. 915: On an operational description of translation algorithms and the automatization of their programming.
- Kulikov, N. K. 3203: Approximate solution of linear second-order differential equations with variable coefficients.
- Kulikovskii, A. G. 3333: The structure of shock waves.
- Kull', I. G. 1734: Matrix transformations of classes of double sequences in Banach spaces. 2768: Multiplication of double series by Dirichlet's rule.
- Kullback, S. 4441: (with Kupperman, M. and Ku, H. H.) An application of information theory to the analysis of contingency tables, with a table of $2n \ln n$, $n=1(1)10,000$.
- Kulonen, G. A. 7258: A method of finding the laminar boundary layer on a porous surface.
- Kulonen, L. A. 3204: On finding a numerical solution of a laminar boundary-layer problem on a semi-infinite body with suction in a dissociating gas.
- Kulsrud, H. E. 895: A practical technique for the determination of the optimum relaxation factor of the successive over-relaxation method.
- Kultze, Rolf. 5568: Über das cap- und slant-Produkt spektraler Sequenzen. I.
- Kumano-go, Hitoshi. 5277: On the existence and the propagation of regularity of the solutions for partial differential equations. I. 5278: On the existence and the propagation of regularity of the solutions for partial differential equations. II.
- Kumar, Prem. 4617: Variation of flow parameters in relativistic gasflows
- Kumar, S. S. 363: On the Λ and Φ operators of radiative transfer theory
- Kumari, Sulaxana. 2806: On the logarithmic means of the successively derived conjugate series of a Fourier series. 4116: On the behaviour of the Fourier coefficients.
- Kummer, Martin. 2259: Über eindimensionale und quasieindimensionale Gasmodelle.
- Kundt, Wolfgang. 7413: Note on the completeness of spacetimes. 1177: (with Ehlers, Jürgen) Exact solutions of the gravitational field equations.
- Kunita, Hiroshi. 7042: Applications of Martin boundaries to instantaneous return Markov processes over a denumerable space. 5622: (with Watanabe, Takeo) Markov processes and Martin boundaries.
- Kuntzmann, J. 7162: (with Bard, A.; Coschino, F. and Laurent, P.-J.) Formules de base de la méthode de Runge-Kutta.
- Kunz, Ernst. 4998: Über die kanonische Klasse eines vollständigen Modells eines algebraischen Funktionenkörpers.
- Kunze, R. A. 6908: (with Stein, E. M.) Analytic continuation of the principal series.
- Künzi, H. P. 4817: (with Ottli, W.) Nichtlineare Programmierung.
- Kuo, Benjamin C. 4855: ★Automatic control systems.
- Kuperus, M. 3507: (with de Jager, C.) The acoustic energy flux of the sun and the formation of the corona.
- Kupperman, M. 4441: (with Kullback, S. and Ku, H. H.) An application of information theory to the analysis of contingency tables, with a table of $2n \ln n$, $n=1(1)10,000$.
- Kuramochi, Zenjirō. 5157: Examples of singular points.
- Kuranishi, Masatake. 263: On the local theory of continuous infinite pseudo groups. II.
- Kuratowski, K. 1852: (with Eilenberg, S.) A remark on duality.

- Kurepa, Svetozar. 2901: A cosine functional equation in Banach algebras. 3673: Note on quadratic forms. 6791: On the normal nth root of a selfadjoint operator.
- Kurita, Minoru. 718: A note on conformal mappings of certain Riemannian manifolds. 2605: A theorem on an analytic mapping of Riemann surfaces.
- Kurkjian, Badrig M. 848: (with Woodall, Rosalie C.) Exact operating characteristic for truncated sequential life tests in the exponential case.
- Kurmalev, D. 3999: (with Jataev, M.) Study of a critical case of Lyapunov stability for steady-state motion.
- Kuropatenko, V. F. 988: A method of constructing difference schemes for the numerical integration of the equations of gas dynamics.
- Kuroš, A. G. 1363: Radicals in group theory.
- Kurşunoğlu, Behram. 3375: ★Modern quantum theory.
- Kurtz, Edward F., Jr. 976: (with Crandall, Stephen H.) Computer-aided analysis of hydrodynamic stability.
- Kusama, Tokitake. 4446: On randomizations of confidence intervals.
- Kushwaha, R. S. 2098: (with Anand, S. P. S.) On the gravitational instability of an inhomogeneous medium. 2127: (with Anand, S. P. S.) The virial tensor equations for rotating configuration in hydromagnetics. 4751: (with Anand, S. P. S.) A virial theorem for plasmas.
- Kulinirčuk, I. F. 2744: On a partial differential equation of higher order.
- Kulinirensko, G. G. 530: The approximation of functions defined on the unit sphere by finite spherical sums.
- Kutiasov, A. D. 2024: (with Baklanovskaja, V. F. and Neigaur, M. G.) Numerical determination of the quasi-stationary solution of a system of one-dimensional parabolic equations.
- Kuttner, B. 520: On discontinuous Riesz means of type n . 6649: A Tauberian theorem for discontinuous Riesz means. I.
- Kuwagaki, Akira. 507: Sur l'équation fonctionnelle de Cauchy pour les matrices.
- Kuyk, W. 6158: (with Mullender, P.) On the invariants of finite abelian groups.
- Kuzel', A. V. 1761: Characteristic matrix functions of quasi-unitary operators of arbitrary rank in a space with indefinite metric. 3956: The solution of a class of second-order differential equations. 4179: A triangular model of K_1 -operators in a space with indefinite metric.
- Kuzel', O. V. = Kuzel', A. V.
- Kuzneor, Ju. M. 5386: (with Rybin, P. P.) On a non-linear singular integral equation.
- Kuznecov, Ju. N. = Kuznecov, Ju. M.
- Kuznecov, L. I. 1568: On an application of the Bubnov-Galerkin method in the theory of non-linear oscillations.
- Kuznecov, N. V. 6586: A generalization of a theorem of V. A. Ambartsumyan.
- Kuznecov, P. I. 7915: (with Strattonović, R. L. and Tihonov, V. I.) Some problems with conditional probability and quasi-moment functions.
- Kuznecov, V. I. 2531: On \hbar -isomorphisms of semigroups with a densely imbedded completely simple ideal.
- Kvačko, M. E. 2571: Some properties of weakly and strongly convergent sequences of completely additive set functions.
- Kvasil, Bohumil. 2149: A general determination of the electromagnetic field in regions composed of geometrically simple components. 2155: A contribution to determining the phase velocity of propagation of electromagnetic waves in non-homogeneous conductors.
- Kyner, W. T. 1630: An existence and uniqueness theorem for a non-linear Stefan problem. 2085: Steady flows near the critical speed.
- Kyner, Walter T. 6534: Invariant manifolds.
- Labsker, L. G. 5337: (with Gadkiev, A. D. and Džafarov, A. S.) The asymptotic value of the approximation of functions by a certain family of linear operators.
- Lachlan, A. H. 3602: Multiple recursion.
- Ladikov, Ju. P. = Ladikov, Ju. P.
- Ladikov, Ju. P. 7293: Properties of plane and axisymmetrical stationary flows in magnetohydrodynamics.
- Ladyženskaja, O. A. = Ladyženskaja, O. A.
- Ladyženskaja, O. A. 5273: (with Ural'ceva, N. N.) Admissible exten-
- sions of the concept of solution for linear and quasi-linear elliptic equations of second order. 5300: (with Ural'ceva, N. N.) The first boundary-value problem for quasi-linear second-order parabolic equations of general type. 6571: (with Ural'ceva, N. N.) Quasi-linear elliptic equations and variational problems in several independent variables. 6572: (with Ural'ceva, N. N.) On the smoothness of weak solutions of quasilinear equations in several variables and of variational problems.
- Ladyženskij, M. D. 985: Analysis of the equations of hypersonic flow and the solution of the Cauchy problem. 4587: On the efflux of a viscous gas into a vacuum. 5839: (with Bogacheva, A. A.) One self-similar solution to the magnetohydrodynamic equations.
- Ladyženskij, M. D. = Ladyženskij, M. D.
- Lafer, P. 4932: (with Long, C. T.) A combinatorial problem.
- Lagrange, René. 4927: Deux problèmes de répartition mixte.
- Laha, R. G. 5370: (with Lukacs, E.) On a factorization of characteristic functions which have a finite number of derivatives at the origin.
- Lai, Wan-izei. 1442: On a conjecture of Goodman for almost bounded functions.
- Lai Dyk Thin'. 3696: On the number of divisors in an angle.
- Lakshmana Rao, S. K. 370: On the relative extreme of the Turán expression for Bessel functions. 3345: Tourbillon rectiligne dans un fluide à viscosité non linéaire. 4584: Some special solutions in viscous fluid motion.
- Lakshmikantham, V. 462: On the uniqueness and boundedness of solutions of hyperbolic differential equations. 1592: Lyapunov function and a basic inequality in delay-differential equations. 2701: Differential equations in Banach spaces and the extension of Lyapunov's method. 6493: Upper and lower bounds of the norm of solutions of differential systems.
- Lakshminarasimhan, T. V. 2592: On the type and lower type of an entire Dirichlet series. 2612: On the mean value of the modulus of an entire function and its derivative. 6323: On mean-value theorems for functions with finite derivatives.
- Lal, Shiva Narain. 544: An aspect of local property of $[C, 2]$ summability of the derived Fourier series. 5344: On the absolute harmonic summability of the factored Fourier series.
- de Lamadrid, J. Gil. See Gil de Lamadrid, J.
- Lambek, Joachim. 5024: On Utumi's ring of quotients.
- Lambin, N. V. 1992: A method of construction of piecewise analytic functions related to the theory of filtration.
- Lambina, E. N. 261: Matrix elements of irreducible unitary representations of the group K_4 of orthogonal matrices of Euclidean 4-space.
- Lamperti, John. 804: On convergence of stochastic processes. 817: Wiener's test and Markov chains. 5629: A new class of probability limit theorems. 5630: (with Garsia, Adriano) A discrete renewal theorem with infinite mean.
- Lamprecht, Erich. 102: Zyklische Erweiterungen arithmetischer Funktionenkörper.
- Lancaster, H. O. 4431: Correlations and canonical forms of bivariate distributions.
- Lanczos, C. 3196: Solution of ordinary differential equations by trigonometric interpolation. 5445: An integral approach to the calculus of variations.
- Landau, H. J. 5200: (with Pollak, H. O.) Prolate spheroidal wave functions, Fourier analysis and uncertainty. III. The dimension of the space of essentially time- and band-limited signals.
- Landau, L. D. 1007: (with Lifshits, E. M.) ★The classical theory of fields.
- Landin, Joseph. 6201: Polynomials and polynomial functions.
- Landof, N. S. 2809: Fourier transforms of certain classes of generalized functions. 3335: On a general theory of linear filters.
- Lando, Ju. K. 568: Adjoint Cauchy problems for a class of integro-differential equations. 5388: The structure of an integro-differential equation in terms of its fundamental system of solutions.
- Landsberg, P. T. 3469: Quantum statistical ergodic and H -theorems for incompletely specified systems.
- Landhoff, P. V. 7356: Poles and thresholds and unstable particles.
- Landford, Oscar E., III. 4942: A note on a paper of Ginsburg.
- Lang, Serge. 119: ★Diophantine geometry. 6124: A transcendence measure for E -functions.

- Lange, G. 1321: Lineare Vektorräume und Lösungsmannigfaltigkeiten linearer Gleichungssysteme.
- Lange, L. H. 339: The existence of non-Euclidean cercles de remplissage in certain subsets of the unit disc.
- Langenbach, A. 2875: The application of the method of least squares to non-linear equations.
- Langenbach, A. = Langenbach, A.
- Langer, H. 1737: Über die Wurzeln eines maximalen dissipativen Operators.
- Langer, J. S. 1157: Frequency spectrum of a disordered one-dimensional lattice.
- Langer, Rudolph E. 6485: On the construction of related equations for the asymptotic theory of linear ordinary differential equations about a turning point. 2662: (Editor) ★Nonlinear problems.
- Langlois, W. E. 3303: Similarity rules for isothermal bubble growth. 3344: Steady flow of a slightly viscoelastic fluid between rotating spheroids.
- Lapeyre, Renée. 3194: Intégration numérique de l'équation du mouvement d'une particule dans un champ électromagnétique.
- Lardner, R. W. 1061: On the solutions of the Low equation. 4667: Complex Yukawa potentials.
- LaSalle, J. P. 435: Stability and control. 2704: The time optimal control problem.
- Laslett, L. Jackson. 3938: (with Lewish, William) Evaluation of the zeros of cross-product Bessel functions.
- Lasota, Andrzej. 385: A note on the relationship between the initial and the boundary value problems for an ordinary differential equation of the nth order. 2665: Sur l'existence des solutions d'un problème d'interpolation pour l'équation différentielle ordinaire d'ordre n. 6324: (with Opial, Z.) L'application du principe de Pontriagin à l'évaluation de l'intervalle d'existence et d'unicité des solutions d'un problème aux limites.
- Lass, Harry. 7389: Accelerating frames of reference and the clock paradox.
- Latimer, Jack F. 2534: (with Tamura, Takayuki and Merkel, Rudolph B.) The direct product of right singular semigroups and certain groupoids.
- Lattes, R. 5711: (with Letellier, G.) Résolution sur calculateur électronique d'un problème d'algèbre diophantien.
- Latyshev, V. N. 164: Algebras with identical relations.
- Latysheva, T. S. 5106: On the measure of the values assumed by functions at points where the gradient vanishes. 6358: Linear variation is the length of a curve.
- Läuchli, H. 1258: Auswahlaxiom in der Algebra.
- Läuchli, Peter. 4555: (with Waldburger, Heinz) Berechnung von Beulwerten mit Hilfe von Mehrstellenoperatoren.
- Laugwitz, Detlef. 685: Über Eilinien im Grossen in der zentralaffinen Differentialgeometrie.
- Laurent, Andre G. 3167: The lognormal distribution and the translation method: description and estimation problems.
- Laurent, Pierre-Jean. 4467: Un théorème de convergence pour le procédé d'extrapolation de Richardson. 7162: (with Bard, A.; Ceschino, F. and Kuntzmann, J.) Formules de base de la méthode de Runge-Kutta.
- Laush, G. 510: (with Park, S.) Knopp's core theorem and subsequences of a bounded sequence.
- Lauwerier, H. A. 3509: The North Sea problem. II. Influence of a stationary windfield upon a bay with a uniform depth. 3510: The North Sea problem. III. Influence of a stationary windfield upon a bay with an exponentially increasing depth. 4135: The Hilbert problem for generalized functions. 6577: Solutions of the equation of Helmholtz in an angle. VI. The case of a semi-infinite barrier. 7431: (with Damaté, B. R.) The North Sea problem. VIII. A numerical treatment.
- Laval, J. 3294: La dilatation thermique du milieu cristallin. IV. Les coefficients d'élasticité les tensions et la dilatation thermique.
- Lavin, M. L. 1166: (with Haviland, J. K.) Application of a moment method to heat transfer in rarefied gases.
- Lavis, A. 5080: Sur les quotients totalement ordonnés d'un groupe linéairement ordonné. 6295: Topologies groupales.
- Lavrent'ev, M. A. 3899: ★The variational method in boundary-value problems for systems of equations of elliptic type.
- Lavrak, B. 6557: On a method of constructing adjoint boundary-value problems.
- Lawden, Derek F. 3498: ★An introduction to tensor calculus and relativity.
- Lawley, D. N. 3147: On testing a set of correlation coefficients for equality.
- Lawson, Jack B. 1239: (with Plochmann, George Kimball) ★Terms in their propositional contexts in Wittgenstein's 'Tractatus': An index.
- Lax, Melvin. 7375: Formal theory of quantum fluctuation from a driven state.
- Lax, Peter D. 3215: On the stability of difference approximations to solutions of hyperbolic equations with variable coefficients. 4066: Nonlinear hyperbolic systems of conservation laws. 6784: A procedure for obtaining upper bounds for the eigenvalues of a Hermitian symmetric operator. 457: (with Morawetz, Cathleen S. and Phillips, Ralph S.) The exponential decay of solutions of the wave equation in the exterior of a star-shaped obstacle.
- Laxton, R. R. 3742: A radical and its theory for distributively generated near-rings.
- Lazarev, V. G. 3367: (with Pil', E. I.) Integration of potential-impulse forms.
- Lazarjan, V. A. 7215: (with Blohin, É. P.) Transitional processes of the motion of systems consisting of three rigid bodies and two deformed rods.
- Leach, E. B. 4481: (with Bragg, L. R.) The remainder terms in numerical integration formulas.
- Leadbetter, M. R. 5657: (with Watson, G. S.) On the estimation of the probability density. I.
- Leader, E. 1162: (with Hearn, A. C.) Fixed-angle dispersion relations for nucleon Compton scattering. I.
- Learner, A. 297: The embedding of a class of polycyclic groups.
- Lebedev, N. N. 375: On an integral representation of an arbitrary function in terms of squares of MacDonald functions with imaginary index.
- Lebedev, S. S. 4980: Estimation of a trigonometric sum.
- Lebedev, V. I. 4491: Dirichlet and Neumann problems on triangular and hexagonal grids.
- Lebovitz, Norman R. 2309: (with Chandrasekhar, S.) On superpotentials in the theory of Newtonian gravitation. II. Tensors of higher rank. 2310: (with Chandrasekhar, S.) The potentials and the superpotentials of homogeneous ellipsoids.
- Lebowitz, J. L. 7378: Phase-space description of non-uniform systems. 5925: (with Percus, J. K.) Statistical thermodynamics of nonuniform fluids. 2324: (with Shimony, Abner) Statistical mechanics of open systems.
- Leclerc, Jacques. 3300: Application de la transformation de Schottky à la détermination des écoulements incompressibles périodiques simples à travers une grille droite infinie, avec déphasage constant égal à $2\pi/N$ entre ailettes successives.
- Lederer, Sylvie. 4792: (with Tonnelat, Marie-Antoinette) Définition de l'impulsion-énergie gravitationnelle dans une théorie euclidienne du champ de gravitation.
- Lee, Anna. 2457: Über einige Extremalaufgaben bezüglich endlicher Körper.
- Lee, C. Y. 5773: An algorithm for path connections and its applications.
- Lee, E. H. 7239: (with Rogers, T. G.) Solution of viscoelastic stress analysis problems using measured creep or relaxation functions.
- Lee, Shao-Lin. 4593: (with Emmons, H. W.) A study of natural convection above a line fire.
- Lee, T. D. 3414: Application of ξ -limiting process to intermediate bosons. 5897: (with Gürsey, F.) Spin 1/2 wave equation in de-Sitter space. 3413: (with Yang, C. N.) Theory of charged vector mesons interacting with the electromagnetic field.
- Leech, John. 2494: Some definitions of Klein's simple group of order 168 and other groups. 4513: Coset enumeration on digital computers.
- de Leeuw, K. 1700: (with Glicksberg, I.) Quasi-invariance and analyticity of measures on compact groups.
- van Leeuwen, L. C. A. 5021: Primary ideal representations in non-commutative rings.

- Lee-Whiting, G. E. 5198: Formulas for computing incomplete elliptic integrals of the first and second kinds.
- Lefschetz, Solomon. 6516: New results on critical cases in differential equations. 3952: (with LaSalle, Joseph P., co-editor) ★International Symposium on Nonlinear Differential Equations and Nonlinear Mechanics.
- Le Gall, P. 826: ★Les systèmes avec ou sans attente et les processus stochastiques. Tome I: Généralités, applications à la recherche opérationnelle.
- Legendre, Robert. 3902: Calcul des intégrales abéliennes d'un groupe kleinéen de la troisième famille. 7267: Écoulement autour d'une aile delta à bord d'attaque subsonique.
- Legoupil, Jean. 1922: Sur le coefficient de corrélation d'une variable aléatoire par rapport à une fonction aléatoire définie sur T .
- Legrand, Jacques. 1399: Un théorème sur la convergence et ses applications.
- Lehmann, Daniel. 700: Plongements de connexions.
- Lehmann, E. L. 4442: Some model I problems of selection. 4452: (with Hodges, J. L., Jr.) Probabilities of rankings for two widely separated normal distributions.
- Lehmann, H.-R. 1068: (with Benda, S.; Klebe, J. and Miesel, K.) Über eine Methode zur Bestimmung von Brennweiten optischer Systeme.
- Lehmer, D. H. 7128: A note on primitive roots. 2409: (with Lehmer, Emma) Heuristics, anyone? 3660: (with Lehmer, Emma and Mills, W. H.) Pairs of consecutive power residues.
- Lehmer, Emma. 2409: (with Lehmer, D. H.) Heuristics, anyone? 3660: (with Lehmer, D. H. and Mills, W. H.) Pairs of consecutive power residues.
- Lehner, G. 4418: One dimensional random walk with a partially reflecting barrier.
- Lehrer-IIamed, Y. 7384: (with Goldberg, H.) Derivation of the Gell-Mann-Okubo mass formula.
- Leibenzon, Z. L. 387: The relation between the inverse problem and the completeness of eigenfunctions. 1537: Uniqueness of the solution of the inverse problem for ordinary differential operators of order $n \geq 2$ and the transforms of such operators.
- Leibowitz, Martin A. 7386: Moments of the neutron time-energy distribution and the use of random functionals.
- Leighton, Walter. 3953: ★Ordinary differential equations.
- Leindler, L. 2773: Über die sehr starke Riesz-Summiertbarkeit der Orthogonalreihen und Konvergenz lückenhafter Orthogonalreihen. 2774: Nicht verbesserbare Summierbarkeitsbedingungen für Orthogonalreihen. 2799: Abschätzungen für die Partialsummen und für die $(R, \lambda(n), 1)$ -Mittel allgemeiner Orthogonalreihen. 5325: Über die starke Summierbarkeit der Orthogonalreihen.
- Leipholz, Horst. 4554: Anwendung des Galerkinschen Verfahrens auf nichtkonservative Stabilitätsprobleme des elastischen Stabes.
- Leipnik, Roy. 4338: The effect of instantaneous nonlinear devices on cross-correlation.
- Leja, F. 5186: Sur certaines suites de fonctions extrémales de plusieurs variables complexes.
- Lekkerkerker, C. G. 2461: Eine Mordell'sche Methode in der Geometrie der Zahlen.
- Lelek, A. 742: On weakly chainable continua. 1862: Fixations of sets in Euclidean spaces. 5533: On the Moore triodic theorem. 1861: (with Zaremba, D.) Dimensions of irreducible continua and fixations of components in compact spaces.
- Lelong, Pierre. 358: Fonctions plurisousharmoniques et fonctions analytiques de variables réelles.
- Lelong-Ferrand, Jacqueline. 6806: Sur le prolongement des groupes locaux d'homéomorphismes sur un espace localement compact.
- Lelyveld, David Nicolaas. 1792: Une extension des théorèmes de Pascal et de Brianchon appliquée à certaines variétés V_{n-1}^* de $(n-1)$ dimensions et du degré ou de la classe n dans un espace R_n de n dimensions.
- Lemke, C. E. 5990: A method of solution for quadratic programs.
- Lenard, Andrew. 5918: Exact statistical mechanics of a one-dimensional system with Coulomb forces. III. Statistics of the electric field. 4731: (with Edwards, S. F.) Exact statistical mechanics of a one-dimensional system with Coulomb forces. II. The method of functional integration.
- Lengyel, B. A. 1116: Estimation of the accuracy of approximate wave functions.
- Lenoir, Marcel. 7392: (with Costa de Beauregard, Olivier) Extension des formules de Franz-Kofink à la théorie de Dirac-Lichnerowicz.
- Lenz, Hanfried. 1271: ★Fastgeordnete Körper. 4871: ★Grundlagen der Elementarmathematik.
- Leonov, A. I. 5846: The slow stationary flow of a viscous fluid about a porous sphere.
- Leonov, M. Ia. = Leonov, M. Ja.
- Leonov, M. Ja. 3272: (with Shvaiko, N. Iu.) Introduction to the dislocation theory of elasto-plastic torsion.
- Leont'ev, A. F. 4086: On the completeness of a system of powers on a semi-axis.
- Leont'ev, Wassily. 3512a: Lags and the stability of dynamic systems. 3512c: Lags and the stability of dynamic systems: a rejoinder.
- Leray, Jean. 762: Théorie des points fixes: indice total et nombre de Lefschetz. 1625: Un prolongement de la transformation de Laplace qui transforme la solution unitaire d'un opérateur hyperbolique en sa solution élémentaire. (Problème de Cauchy. IV).
- Le Roy, F. 6988: (with Benzecri, J. P.) On singularities of analytic fields.
- Lesieur, L. 158: (with Croisot, R.) Sur la dualité dans les (\mathcal{F}) -algèbres. Application aux anneaux, aux modules, aux demi-groupes. 159: (with Croisot, Robert) La notion de cœur dans un module.
- Lesky, Peter. 2661: Ergänzung zur Übersetzung der klassischen orthogonalen Polynome in die Differenzenrechnung. 6462: Über die in die Differenzenrechnung übersetzten klassischen orthogonalen Polynome. 7427: (with Cap, F. and Gröbner, W.) The astronomical n-body problem with time-dependent forces.
- Letellier, G. 5711: (with Latte, R.) Résolution sur calculateur électronique d'un problème d'algèbre diophantienne.
- Letičevskii, A. A. 4864: Automaton decompositions of mappings of free semigroups.
- Letov, A. M. 1228: The analytical design of control systems.
- Letta, Giorgio. 3856: Su una generalizzazione del teorema di Severini-Egoroff.
- Leutwyler, H. 4635: Generally covariant Dirac equation and associated boson fields.
- Levič, Antonius Henricus Maria. 2643: ★Hypergeometric functions.
- Levič, V. G. 2135: (with Gurevič, Ju. Ja.) The effect of a magnetic field on surface waves in a conducting fluid.
- Levin, A. Ju. 3972: Some questions on the oscillation of solutions of linear differential equations.
- Levin, B. V. 3677: The weak Landau problem and its generalization.
- Levin, Elie. 4620: (with Barakat, Richard) Application of apodization to increase two-point resolution by the Sparrow criterion. II. Incoherent illumination.
- Levin, Frank. 212: Solutions of equations over groups.
- Levin, J. J. 5390: (with Nohel, J. A.) On a system of integrodifferential equations occurring in reactor dynamics. II.
- Levin, Ju. I. 2977: Spaces with affine connection adjoint to n vector fields.
- Levin, M. 2065: An error estimate for cubature formulas. 2066: On a method of evaluating double integrals.
- Levin, V. A. 1001: On certain one-dimensional non-stationary motions of a charged gas.
- Levine, Harold. 5819: Diffraction of surface waves on an incompressible fluid.
- Levine, Jack. 6111: (with Dalton, R. E.) Minimum periods, modulo p , of first-order Bell exponential integers. 241: (with Korfhage, Robert R.) Automorphisms of abelian groups induced by involutory matrices. 2502: (with Korfhage, Robert R.) Automorphisms of abelian groups induced by involutory matrices, modulo $p > 2$.
- Levine, Norman. 4323: Some remarks on invertible spaces. 361: (with Salzer, Herbert E.) ★Table of sines and cosines to ten decimal places at thousandths of a degree.
- Levine, Paul H. 3441: (with von Roos, Oldwig) Plasma theory of the many-electron atom.
- Levinger, J. S. 2238: Can the nuclear many-body problem be solved by using perturbation theory?
- Levinson, C. A. 1109: (with Lipkin, H. J. and Meshkov, S.) Experimental tests of unitary symmetry.

- Levinson, N. 2634: A canonical form for an analytic function of several variables at a critical point. 2635: A polynomial canonical form for certain analytic functions of two variables at a critical point. 2636: Transformation of an analytic function of several variables to a canonical form. 2751: Positive eigenfunctions for $\Delta u + \lambda(u) = 0$. 5637: Emission probability in a random walk. 6523: The stability of linear, real, periodic self-adjoint systems of differential equations. Levit, R. J. 5107: The finite difference extension of Rolle's theorem. Lévy, Azriel. 37: A generalization of Gödel's notion of constructibility. 3614: Remarks on a paper by J. Mycielski.
- Lévy, Bertrand R. 1052: (with Keller, Joseph B.) Low-energy expansion of scattering phase shifts for long-range potentials.
- Lévy, Jack. 2305: Harmonic condition in the theory of unified field.
- Lévy, Jean-Claude. 4827: Théorie des combinaisons discernables.
- Lévy, Lawrence. 136: Unique subdirect sums of prime rings. 155: Torsion-free and divisible modules over non-integral-domains.
- Lévy, Paul. 829: Le déterminisme de la fonction brownienne d'un point de l'espace de Hilbert. 3096: Extensions d'un théorème de D. Dugué et M. Girault. 5638: Ensembles laplaciens de variables aléatoires et fonction brownienne définie dans l'espace de Hilbert.
- Lewandowski, Zdzisław. 314: Sur les majorantes des fonctions holomorphes dans le cercle $|z| < 1$. 315: (with Bielecki, Adam) Sur certaines familles de fonctions à-étoilées. 3887: (with Bielecki, A.) Sur une généralisation de quelques théorèmes de M. Biernacki sur les fonctions analytiques. 5151: (with Bielecki, A.) Sur un théorème concernant les fonctions univalentes linéairement accessibles de M. Biernacki.
- Lewellen, W. S. 970: A solution for three-dimensional vortex flows with strong circulation.
- Lewis, D. J. 2403: (with Davenport, H.) Exponential sums in many variables. 3657: (with Davenport, H.) Notes on congruences. I. 6117: (with Davenport, H.) Notes on congruences. II. 2421: (with Biroh, B. J. and Davenport, H.) The addition of norm forms. 6118: (with Chowla, S. and Dunton, M.) All integral solutions of $2^n - 7 = x^2$ are given by $n = 3, 4, 5, 7, 15$.
- Lewis, Daniel C. 5251: Autosynthetic families of solutions. 6529: Poincaré's theorem generalized for the perturbation of invariant manifolds. 5250: (with Bass, Robert W.) Continuous groups and autosynthetic solutions.
- Lewis, J. T. 1053: (with Arthurs, A. M.) Rotating co-ordinates in scattering theory.
- Lewis, John A. 7201: A note on the viscous damping of a pendulum.
- Lewis, Robert M. 4687: Quantum statistics and the Boltzmann equation. 3476: (with Keller, Joseph B.) Conductivity tensor and dispersion equation for a plasma.
- Lewish, William. 3938: (with Laslett, L. Jackson) Evaluation of the zeros of cross-product Bessel functions.
- Lewittes, Joseph. 6128: Gaps at Weierstrass points for the modular group.
- Lewkowicz, R. E. 2826: A characterization of the analytic operator among the Loewner-Benson operators.
- Lewowics, Jorge. 1551: On a theorem of Samydtowna.
- Li, James C. M. 3472: Persistence, pseudo-entropy, and the thermo-kinetic potential.
- Liang, Chih Shuen. 5621: Conditional Markov processes. 7024: Integral representation of a class of excessive random variables.
- Liboff, Richard L. 1152: Long-wavelength phenomena in a plasma.
- Libon, P. 652: Espaces homogènes. 653: Espaces non homogènes.
- Libouhan, J.-L. 6843: (with Rieu, N.) Sur un problème de K. Urbanik concernant la dimension de Hausdorff.
- Librescu, Liviu. 4552: Vibrations of non-homogeneous circular cylindrical shells in compressible fluid flow.
- Lichnerowicz, André. 717: Transformations des variétés à connexion linéaire et des variétés riemanniennes. 6957: Opérateurs différentiels invariants sur un espace symétrique. 7388: ★Elements of tensor calculus.
- Licht, A. L. 7331: (with Greenberg, O. W.) Quantum field-theory model whose truncated vacuum expectation values vanished beyond some order.
- Lickorish, W. B. R. 3029: Homeomorphisms of non-orientable two-manifolds.
- Lidskii, V. B. 460: The Fourier series expansion in terms of the principal functions of a non-selfadjoint elliptic operator. 1760: Summability of series in terms of the principal vectors of non-selfadjoint operators. 3964: A non-selfadjoint operator of Sturm-Liouville type with a discrete spectrum. 3965: (with Neigauz, M. G.) On the screw method in the case of a second-order self-adjoint system.
- Liebeck, H. 216: Concerning automorphisms in finitely generated Abelian groups.
- Liepmann, Hans W. 2104: Gaskinetics and gasdynamics of orifice flow.
- Lifshitz, E. M. = Lifschitz, E. M.
- Lifschitz, E. M. 1007: (with Landau, L. D.) ★The classical theory of fields.
- Lighthill, M. J. 2096: Physical interpretation of the mathematical theory of wave generation by wind. 5844: Studies on magnetohydrodynamic waves and other anisotropic wave motions.
- Lillo, James C. 5010: Continuous matrices and approximate similarity.
- Lima, Elon L. 772: Stable Postnikov invariants and their duals. 6986: Commuting vector fields on 2-manifolds.
- Limić, N. 4662: Theory of scattering on highly singular potentials.
- Lin, Chun. 6537: Comparison theorems for difference-differential equations. 7152: A discussion on the difference method for the solution of nonlinear differential equations.
- Lin', Hal'-cjuan'. 4839: On the calculation of the capacity of two-ray communication channels. 4840: On the capacity of single-ray and two-ray communication channels in the presence of polarization fading.
- Lin, T. H. 953: (with Uchiyama, S. and Martin, D.) Stress field in metals at initial stage of plastic deformation.
- Lin, Y. K. 5796: Nonstationary response of continuous structures to random loading.
- Lindaman, R. 2348: (with Cohn, M.) Axiomatic majority-decision logic.
- Lindenberg, Wolfgang. 7174: Über eine Darstellung von Gruppen-elementen in digitalen Rechenautomaten.
- Lindgren, B. W. 832: ★Statistical theory.
- Lindley, D. V. 5680: The robustness of interval estimates.
- Ling, Shun Tong. 6953: (with Kasahara, Yoshiro; Tezuka, Keiichi and Kitahashi, Tadahiro) Topological evaluation of system determinants.
- Lingenberg, Rolf. 4255: Über Gruppen projektiver Kollineationen, welche eine perspektive Dualität invariant lassen.
- Linhart, H. 839: Konfidenzintervalle für den überlappenden Teil zweier Normalverteilungen.
- Liniger, Werner. 4728: The solution of a transition problem in a superconducting strip.
- Lin'-khai-tsuan' = Lin', Hal'-cjuan'.
- Linkovskii, G. B. 2841: (with Krapivin, V. F.) Approximate solution of the singular integral equation of Lalesco-Picard.
- Linnik, Ju. V. 7063: ★Méthode des moindres carrés. Éléments de la théorie du traitement statistique des observations.
- Linnik, V. V. = Linnik, Ju. V.
- Linskii, V. S. 2043: (with Akushsky, I. Y.; Emelianov-Yaroslavsky, L. B.; Klyamko, E. K. and Monakhof, G. D.) Methods of speeding-up the operation of digital computers.
- Linsky, V. S. = Linskii, V. S.
- van Lint, J. H. 1281: Über die Approximation von Zahlen durch Reihen mit positiven Gliedern. 4964: (with van Albada, P. J.) Reciprocal bases for the integers.
- Lions, J. L. 611: Les semi-groupes distributions. 2732: Sur l'approximation des solutions de certains problèmes aux limites. 4070: Quelques remarques sur les équations de Navier-Stokes. 5411: Une propriété de stabilité pour espaces d'interpolation; applications. 4047: (with Magenes, E.) Problèmes aux limites non homogènes. II. 4048: (with Magenes, E.) Problemi ai limiti non omogenei. III. 4049: (with Magenes, E.) Problemi ai limiti non omogenei. V. 6565: (with Magenes, Enrico) Remarques sur les problèmes aux limites linéaires elliptiques.
- Lipkin, H. J. 1109: (with Levinson, C. A. and Meshkov, S.) Experimental tests of unitary symmetry.
- Lipman, Joe. 5455: Order in affine and projective geometry.
- Lipschutz, Seymour. 3760: On powers of elements in S -groups. 4350: Note on a paper by Sheppard on the braid group.
- Littlewood, J. E. 3982: I. On van der Pol's equation with large k . II. Celestial mechanics over a very long time.

- Littman, Walter. 481: New mixed problems for hyperbolic systems in the plane. 4043: The wave operator and L_p norms.
- Litvinčuk, G. S. 6426: Some Riemann boundary-value problems with displacements. 3917: (with Hasabov, È. G.) On the Hilbert boundary-value problem with a shift. 4138: (with Hasabov, È. G.) On the theory of singular integral equations obeying the Fredholm alternative.
- Litwiniszyn, Jerzy. 2903: On certain solutions of the Smoluchowski equation.
- Liu, Lu Sun. 5891: (with Tanaka, K.) Regge trajectory in field theory.
- Liu, S. H. 3452: Theory of superconductivity.
- Liu, Teng-Sun. 1768: On vanishing algebras.
- Liulevicius, A. L. 3058: A proof of Thom's theorem. 6964: The cohomology of a subalgebra of the Steenrod algebra.
- Livingston, A. E. 2851: (with Beurling, Arne) A theorem on duality mappings in Banach spaces.
- Livšic, A. H. 1377: Direct decompositions of idempotents in semigroups. 3632: Summation of mappings and the concept of center in categories.
- Ljan, Čhi-Suēn = Liang, Chih Shuen.
- Ljubaraki, G. J. = Ljubarski, G. Ja.
- Ljubarski, G. J. 2118: On the kinetic theory of shock waves. 6269: ★Anwendungen der Gruppentheorie in der Physik. 419: (with Krasnosel'skii, M. A.) Transitory solutions of non-linear equations. 400: (with Krein, M. G.) Analytic properties of the multipliers of periodic canonical differential systems of positive type.
- Ljubić, Ju. I. 2724: On the existence "in the large" of fundamental solutions of linear second-order elliptic equations. 2877: Inequalities among the powers of a linear operator.
- Ljubimov, V. N. 3482: (with Venevcev, Ju. N. and Ždanov, G. S.) Calculation of electric fields in complex dipole structures.
- Lloyd, S. P. 1220: On a measure of stochastic dependence. 4404: On decomposition into stochastically independent components.
- Lluis, Emilio = Lluis Riera, Emilio.
- Lluis Riera, Emilio. 4995: Algebraic varieties with certain tangent conditions.
- Lobas, L. G. 2049: Different forms of the equations of motion of non-holonomic systems in holonomic coordinates.
- Lochak, Georges. 1578: Sur le second principe de la Thermodynamique et la stabilité asymptotique au sens de Liapounov. 3341: Sur la théorie non linéaire des ondes. 3342: Un modèle d'équation non linéaire conservant certaines ondes planes. 7319: Sur la théorie non linéaire des transitions quantiques.
- Loeffel, J.-J. 7330: Quelques propriétés de l'espace de Minkowski sur les complexes.
- Loewner, Charles. 6328: (with Karlin, Samuel) On some classes of functions associated with exponential polynomials. 1236: (with Szegő, Gabor; Bergman, Stefan; Schiffer, Menahem Max; Neyman, Jerzy; Gilbarg, David and Solomon, Herbert; co-editors) ★Studies in mathematical analysis and related topics: Essays in honor of George Pólyá. Logemann, George. 7175: (with Davis, Martin and Loveland, Donald) A machine program for theorem-proving.
- Logunov, A. A. 3428: (with Todorov, I. T. and Černikov, N. A.) Generalization of Symanszik's theorem of the majorization of Feynman graphs. 1063: (with Arbusov, B. A.; Tavkhelidze, A. N. and Faustov, R. N.) The asymptotic behaviour of the scattering amplitudes and the renormalization group method. 1091: (with Arbusov, B. A.; Tavkhelidze, A. N.; Faustov, R. N. and Filipov, A. T.) Regge poles and perturbation theory.
- Logunov, A. I. 5380: On integral inequalities for equations of Volterra type with retarded argument.
- Loibel, Gilberto Francisco. 249: Über topologische Lösungssysteme.
- Loinger, A. 1037: A study of the quantum ergodic problem. 1043: Galilei group and Liouville equation. 1044: (with Danori, A. and Prosperi, G. M.) Quantum theory of measurement and ergodicity conditions.
- Lombet-Goffart, J. 6472: Étude des zéros complexes des solutions des équations différentielles d'Airy.
- Lomont, J. S. 4735: Note on the Albertoni-Bocchieri-Loinger theorem of classical statistical mechanics. 7323: (with Moses, H. E. and Yu, Kwang) Equivalence and antiequivalence of irreducible sets of operators. I. Finite dimensional spaces.
- Lomov, S. A. 4001: A power boundary layer in problems with a small parameter.
- Lomsadze, Ju. M. 4680: Relativistically invariant formulation of the theory of quantized probability amplitude field.
- Lomsadze, Yu. M. = Lomsadze, Ju. M.
- London, David. 3958: On the zeros of the solutions of $w''(z) + p(z)w(z) = 0$.
- Long, C. T. 4932: (with Lafer, P.) A combinatorial problem.
- Longoni, A. M. 1090: (with Bottino, A. and Regge, T.) Potential scattering for complex energy and angular momentum.
- Longuet-Higgins, M. S. 5633: Bounding approximations to the distribution of intervals between zeros of a stationary gaussian process.
- Loomis, L. H. 2375: Unique direct integral decompositions on convex sets. 6303: Positive definite functions and induced representations.
- Loonstra, F. 2487: Dualité dans la théorie des groupes.
- Lopuszański, Jan. 2195: A criterion for the free character of fields. II.
- Lorch, Edgar R. 1751: Sugli insiemi di Baire e la compattificazione.
- Lorch, Lee. 2805: (with Newman, Donald J.) On the $[F, d_n]$ summation of Fourier series. 5195: (with Szegő, P.) A singular integral whose kernel involves a Beessel function. II. 5209: (with Szegő, Peter) Higher monotonicity properties of certain Sturm-Liouville functions.
- Lorenzen, P. 4880: Ein dialogisches Konstruktivitätskriterium.
- Łoś, J. 2496: (with Balcerzyk, S. and Bialynicki-Birula, A.) On direct decompositions of complete direct sums of groups of rank 1.
- Losey, Gerald. 6260: On dimension subgroups.
- Louisell, W. H. 1049: Correspondence between Pierce's coupled mode amplitudes and quantum operators.
- Loupia, Guy. 7363: (with Sirugue, Michel and Trotin, Jean-Claude) Un schéma d'interactions fortes basé sur le groupe B_3 .
- Lovass-Nagy, V. 5749: Matrix methods for the approximate treatment of one-dimensional heat conduction problems.
- Loveckii, E. E. 1153: (with Ruhadze, A. A.) Hydrodynamics of a non-isothermal plasma.
- Lovelace, C. 1097: (with Masson, D.) Calculation of Regge poles by continued fractions. I.
- Loveland, Donald. 7175: (with Davis, Martin and Logemann, George) A machine program for theorem-proving.
- Löwdin, Per-Olov. 4686: Studies in perturbation theory. V. Some aspects on the exact self-consistent field theory. 4714: Studies in perturbation theory. IV. Solution of eigenvalue problem by projection operator formalism.
- Lowengrub, M. 6715: (with Sneddon, I. N.) The solution of a pair of dual integral equations.
- Lozanovskii, G. Ja. 6745: On cones in normed lattices.
- Lozinskii, S. M. 903: Application of numerical integration to obtain exact information on the distribution of the integral curves of differential equations of a certain class. 3191: Error estimate for numerical integration of ordinary differential equations. I.
- Lozovik, V. G. 5150: On a class of functions which are univalent in the unit circle.
- Lu, Ven-tuan. 587: On imbedding theorems for spaces of functions with partial derivatives of various degrees of summability.
- Luban, Marshall. 3446: Statistical mechanics of a nonideal boson gas: pair Hamiltonian model.
- Lubliner, Jacob. 2076: Cylindrical wave in a viscoelastic solid.
- Lucchini, M. 7358: (with Amar, V. and Sons, P. G.) Group properties of free-field equations.
- Luce, R. Duncan. 4826: An observable property equivalent to a choice model for discrimination experiments.
- Lučić, Radomir. 6179: Sur une inégalité de Hornich.
- Lučin, A. A. 5490: An analogue of surfaces of revolution in projective space.
- Lučka, A. Ju. 1720: Approximate solution of infinite systems of linear integral equations by Ju. D. Sokolov's method. 4181: Approximate solution of linear operator equations in a Banach space by Ju. D. Sokolov's method.
- Ludford, G. S. S. 2133: Further note on airfoil theory in hydromagnetics.
- Ludwig, G. 3454: Axiomatic quantum statistics of macroscopic systems (ergodic theory).

- Ludwig, Wolfgang. 4551: Die elastische Instabilität einer rein-harmonischen Kristalltheorie.
- Lukacs, Eugene. 5706: On tube statistics and characterization problems. 5370: (with Laha, R. G.) On a factorization of characteristic functions which have a finite number of derivatives at the origin.
- Luke, Yudell L. 6446: (with Fields, Jerry L.) Asymptotic expansions of a class of hypergeometric polynomials with respect to the order.
- Lumer, Gunter. 5420a: Points extrémaux associés; frontières de Šilov et Choquet; principe du minimum. 5420b: Points extrémaux associés; frontières de Šilov et Choquet: application aux cônes de fonctions semi-continues.
- Lumiste, Ju. G. 5497: Higher-dimensional ruled surfaces in Euclidean space.
- Lumiste, Ü. 2953: On the theory of two-dimensional minimal surfaces. I. Theory of curvature. 2954: On the theory of two-dimensional minimal surfaces. II. Surfaces of constant curvature.
- Luno, G. L. 2599: On the overconvergence of certain series.
- Lüneburg, Heinz. 2933: Steiner Tripelsysteme mit fahnentransitiver Kollineationsgruppe. 4253: (with Kegel, Otto H.) Über die kleine Reidermeisterbedingung. II.
- Lupanov, O. B. 5563: An asymptotic estimate of the number of graphs and networks with n edges.
- Lur'e, K. A. 5781: On the propagation of disturbances in systems with nonlinear boundary conditions.
- Luszczewska-Romanowska, Seweryna. 4879: On a concept of direct inference and the pragmatic concept of implication. 6075: Classification as a kind of distance function. Natural classifications.
- Luthar, Indar S. 104: (with Bambah, R. P. and Madan, M. L.) On the existence of a certain type of basis in a totally real field.
- Luxemburg, W. A. J. 536: A property of the Fourier coefficients of an integrable function. 1421: Addendum to "The abstract Riemann integral and a theorem of G. Fichtenholz on equality of repeated Riemann integrals. IA and IB". 2905: (with Zaanen, A. C.) Compactness of integral operators in Banach function spaces. I. 6723a: (with Zaanen, A. C.) Notes on Banach function spaces. II. 6723b: (with Zaanen, A. C.) Notes on Banach function spaces. III.
- Lykova, O. B. 427: Investigation of a nonlinear system of $n+m$ equations with a small parameter by the method of integral manifolds.
- Lyness, J. N. 3248: (with Blatt, J. M.) The practical use of variation principles in non-linear mechanics.
- Lyons, J. M. 4615: (with Turcotte, D. L.) A periodic boundary-layer flow in magnetohydrodynamics.
- Lysov, B. A. 2185: (with Sokolov, A. A.) Motion of electron with radiation damping and boundary conditions.
- Ma, Zu-njań. 4024: (with Din, Sja-si; Van, Kon-tin and Čzan, Tun) Necessary and sufficient conditions for uniqueness of the Dirichlet problem for a system of second-order elliptic equations with constant coefficients.
- Macaev, V. I. 4184: (with Palant, Ju. A.) On the powers of a bounded dissipative operator.
- Macheath, A. M. 2402: Factorization of matrices and Minkowski's conjecture. 4244: On a theorem of Hurwitz. 6237: Packings, free products and residually finite groups.
- MacCamy, R. C. 5382: (with Heins, A. E.) A function-theoretic solution of certain integral equations. II.
- MacCarthy, J. G. 195: Wedges in abelian groups and in linear topological spaces.
- MacDonald, D. K. C. 3461: On Brownian movement and irreversibility. 2236: (with Guénault, A. M.) Intermediate statistics.
- MacDonald, Gordon. 7432: (with Hasselmann, Klaus and Munk, Walter) Bispectra of ocean waves.
- Macdonald, I. D. 213: On certain varieties of groups. II. 6253: On central series.
- Macdonald, I. G. 764: The Poincaré polynomial of a symmetric product.
- Macfarlane, A. J. 3786: On the restricted Lorentz group and groups homomorphically related to it. 6302: Kinematics of the relativistic two-particle system.
- MacGregor, Thomas H. 6385: The radius of univalence of certain analytic functions. 6389: The radius of univalence of certain analytic functions. II.
- Machek, Josef. 5988: A note on the solution of the transportation problem by the simplex method.
- Machover, M. 17: The theory of transfinite recursion.
- Macintyre, A. J. 1465: (with Shah, S. M.) On an extension of a theorem of Bernstein to meromorphic functions.
- Mackey, George W. 1424: Point realizations of transformation groups. 1775: Group representations in Hilbert space.
- Mackie, A. G. 3325: Applications of the theory of the general hodograph equation. I. Kirchhoff-Helmholtz flow past a wedge. 3326: Applications of the theory of the general hodograph equation. II. The non-symmetric flow at sonic speed past a flat plate.
- Mackie, D. G. 4508: (with Goldstick, G. H.) Design of computer circuits using linear programming techniques.
- MacLane, G. R. 330: The geometry of functions holomorphic in the unit circle, of arbitrarily slow growth, which tend to infinity on a sequence of curves approaching the circumference. 6419: Asymptotic values of holomorphic functions. 2615: (with Ryan, F. B.) On the radial limits of Blaschke products.
- Mac Nerney, J. S. 1726: Integral equations and semigroups. 4133: A linear initial-value problem.
- MacRobert, T. M. 1503a: Evaluation of an E -function when two of the upper parameters differ by an integer. 1503b: Evaluation of an E -function when three of its upper parameters differ by integral values. 6450: Integrals involving E -functions.
- MacSorley, O. L. 2038: High-speed arithmetic in binary computers.
- MacWilliams, Jessie. 7462: A theorem on the distribution of weights in a systematic code.
- Madan, M. L. 104: (with Bambah, R. P. and Luthar, Indar S.) On the existence of a certain type of basis in a totally real field.
- Madansky, Albert. 7098: Tests of homogeneity for correlated samples. 7445: Methods of solution of linear programs under uncertainty.
- Machly, H. J. 5714: Rational approximations for transcendental functions.
- Magenes, E. 4047: (with Lions, J. L.) Problèmes aux limites non homogènes. II. 4048: (with Lions, J. L.) Problemi ai limiti non omogenei. III. 4049: (with Lions, J. L.) Problemi ai limiti non omogenei. V. 6565: (with Lions, Jacques Louis) Remarques sur les problèmes aux limites linéaires elliptiques.
- Magnus, Wilhelm. 3366: (with Fox, David) Perturbation method in a problem of waveguide theory.
- Mahamunulu, D. M. 4457: Sampling variances of the estimates of variance components in the unbalanced 3-way nested classification.
- Mahanthappa, Kalyana T. 3421: (with Bakshi, Pradip M.) Expectation value formalism in quantum field theory. I. 3422: (with Bakshi, Pradip M.) Expectation value formalism in quantum field theory. II.
- Maheshwari, S. N. 1692: Valiron summability of the derived Fourier series and its conjugate series.
- Mahler, Kurt. 78: ★Lectures on diophantine approximations. Part 1: g -adic numbers and Roth's theorem.
- Mahony, J. J. 945a: The large deflection of thin cantilevered plates. I. General theory. 945b: The large deflection of thin cantilevered plates. II. Symmetrically loaded rectangular plate.
- Mahowald, M. E. = Mahowald, Mark.
- Mahowald, Mark. 782: On the embeddability of the real projective spaces. 3067: On extending cross sections in orientable V_{2+m} bundles. 4364: On singular fiberings. 6352: (with Church, P. T.) Measure preserving functions on locally compact spaces.
- Maier, Wilhelm. 2642: (with Krätsel, Ekkehard) Höhere Thetafunktionen. 3951: (with Zahn, Horst) Über die Funktionalgleichung 2. Stufe des Trilogarithmus.
- Maierčík, I. 5245: Separatrixes of plane dynamical systems.
- Maikov, E. V. 4493: (with Fomin, S. V.) Measures in a function space and difference schemes.
- Maisen, Bernhard. 262: Lie-Gruppen mit Banachräumen als Parameterräume.
- Maitra, K. K. 3553: Cascaded switching networks of two-input flexible cells.
- Majindar, Kulendra N. 3622: On incomplete and balanced incomplete block designs.
- Majoros, Alexander. 2145: Über die neue Grunddeterminante der Optotechnik.

- Makarova, L. Ja. 360: Investigation of domains of class Σ .
 Makeev, G. N. 5491: Focal parabolic pairs of congruences.
 Makowski, A. 73: Three consecutive integers cannot be powers.
 3662: Generalization of Morrow's D numbers.
 Malahovskii, V. S. 5489: Parabola congruences in equi-affine geometry.
 Mal'cev, A. I. 59: Axiomatizable classes of locally free algebras of certain types. 1254: Strictly related models and recursively perfect algebras. 1238: (with Čarin, V. S.) S. N. Čornikov (on his fiftieth birthday).
 Malgarini, Giorgio. 1527: ★Minimo e massimo integrale di una particolare equazione differenziale, con secondo membro discontinuo.
 Malgrange, Bernard. 4175: Multiplicateurs de $\mathcal{F}L^*$.
 Malik, M. A. 3877: An inequality for polynomials.
 Malkov, U. H. 4814: An algorithm for solving a distributive problem.
 Malliavin, Paul. 57: Sur le reste de la loi asymptotique de répartition des nombres premiers généralisés de Beurling. 1662: Un théorème taubérien avec reste pour la transformée de Stieltjes. 5361: (with Beurling, A.) On Fourier transforms of measures with compact support.
 Malyšev, A. V. 80: On the representation of integers by positive quadratic forms.
 Mamangakis, S. E. 1291: Remark on $\pi(x) = o(x)$.
 Mamatov, M. 1921: A local density theorem. 796: (with Siraždinov, S. H.) On mean convergence for densities.
 Mamedhanov, D. I. 6336: Some inequalities for algebraic polynomials and rational functions.
 Mamedov, R. G. 1673: The order and asymptotic value of an approximation of a non-differentiable function by positive linear operators of a specific type. 1694: On certain classes of functions. 4098: On the order of convergence of n -singular integrals of periodic functions. 6069: On the order of convergence of m -singular integrals of a periodic function at generalized Lebesgue points and in the space $L_p(-\pi, \pi)$. 6755: On the order of convergence of m -singular integrals at generalized Lebesgue points and in the space $L_p(-\infty, \infty)$.
 Mamuzić, Z. 3001: Abstract distance and neighborhood spaces.
 Manabe, Daikaku. 7117: Probability distribution of period of irregular oscillation.
 Manacorda, Tristano. 956: Sulla termoelasticità dei solidi incompresibili. 4556: Sulla propagazione di onde ordinarie di discontinuità nella Elasticità di secondo grado per solidi incompresibili. 4557: Sulla propagazione di onde ordinarie di discontinuità in un solido incomprensibile soggetto a trasformazioni reversibili adiabatiche.
 Manara, Carlo Felice. 6961: Orientamenti e questioni attuali di topologia.
 Mandan, Sahib Ram. 1782: Altitudes of a simplex in four dimensional space. 1783: Semi-orthocentric and orthogonal simplexes in a 4-space. 1784: Altitudes of a general simplex in 4-space. 2922: Uni- and demi-orthocentric simplexes. II. 2923: Medial simplex. 4214: Semi-inverse simplexes. 4215: Altitudes of a simplex in n -space. 4316: Bisectors of triangles of a simplex. 5458: Orthic axes of triangles of a simplex. 6850: Tetrad of Möbius tetrahedra.
 Mandel, Jean. 4567: Ondes plastiques dans un milieu indéfini à trois dimensions. 4568: (with Parry, Fernand) Surfaces caractéristiques des équations de l'équilibre plastique pour une courbe intrinsèque quelconque, lorsque les trois contraintes principales sont différentes.
 Mandelbaum, E. M. 3863: (with Cantor, R. and Eisenberg, M.) A theorem on Riemann integration.
 Mandelbrojt, J. 4709: (with Bacry, H.) An approach to nucleon-antinucleon phenomena using the Bogoliubov transformation. I.
 Mandelbrojt, S. 2593: Dirichlet series. 6374: Fonctions entières de type exponentiel et séries de Dirichlet: un principe de dualité.
 Mandelbrot, Benoit. 1145: The role of sufficiency and of estimation in thermodynamics. 2323: Stable paretoian random functions and the multiplicative variation of income.
 Mandelstam, S. 4701: An extension of the Regge formula. 7395: Quantization of the gravitational field.
 Mandl, Petr. 1930: Sur le comportement asymptotique des probabilités dans les ensembles des états d'un processus de Markov homogène.
 Maneri, Carl. 165: Simple $(-1, 1)$ rings with an idempotent.
- Mangasarian, O. L. 7160: Numerical solution of the first biharmonic problem by linear programming.
 Mangeron, Demeter. 6595: Sur une classe de problèmes à la frontière non elliptiques d'ordre supérieur. 2845: (with Krivocheine, L.) Recherches des solutions des équations intégralo-différentielles par la méthode polynomiale. 4143: (with Krivocheine, L. E.) Sur l'évaluation des erreurs de détermination des solutions d'une classe d'équations intégralo-différentielles aux dérivées totales. 5389: (with Krivocheine, L. E.) Méthode polynomiale d'approximation des solutions des équations intégralo-différentielles d'ordre supérieur. 567: (with Krivocheine, L. E.) Some questions on the solution of integro-differential equations. 1722: (with Krivocheine, L. E.) Approximate solution of boundary-value problems for ordinary integro-differential equations. 2846: (with Krivocheine, L. E.) Il metodo polinomiale nell'integrazione delle equazioni integro-differenziali.
 Manija, G. M. 861: A method of constructing confidence regions for two choices from the parent population. 862: Remarks on non-parametric estimates of a two-dimensional density function. 4429: The mean square error of an estimator of a normal probability density.
 Manin, Ju. I. 3772: Two-dimensional formal Abelian groups.
 Manjanathaiah, K. 5163: (with Singh, S. K.) On the growth of a class of entire functions.
 Mann, Henry B. 1962: Main effects and interactions. 4847: On the number of information symbols in Bose-Chaudhuri codes.
 Mann, L. N. 1390: (with Su, J. C.) Actions of elementary p -groups on manifolds.
 Mano, Kenji. 6330: An extension of Routh's theorem for quartic equations by another method.
 Manoharan, A. C. 3408: The primitive domains of holomorphy for the 4 and 5 point Wightman functions.
 Mansfield, E. H. 944: On the analysis of elastic plates of variable thickness.
 Mansfield, Edwin. 1965: Power functions for Cox's test or randomness against trend.
 Mansfield, Maynard J. 5531: ★Introduction to topology.
 Mantel, Nathan. 7083: (with Patwary, Kamini M.) Interval estimation of single parametric functions.
 Manwell, A. R. 3332: On general conditions for the existence of certain solutions of the equations of plane transonic flow. I. The Dirichlet problem.
 Manžerov, D. = Mangeron, D.
 Maradudin, Alexei A. 5935: (with Coldwell-Horsfall, Rosemary A.) Erratum: "Zero-point energy of an electron lattice". 4765: (with Weiss, G. H.) The Baker-Hausdorff formula and a problem in crystal physics.
 Marčenko, V. A. 3360: (with Agranovič, Z. S. and Šestopalov, V. P.) The diffraction of electromagnetic waves from plane metallic lattices.
 Marchal, Raymond. 4606: (with Servanty, Pierre) Sur l'interaction de deux ondes de choc se propageant dans la même direction.
 Marchand, Jean-Paul. 6764: ★Distributions: An outline.
 Marchaud, André. 5472: Sur certaines relations algébriques entre les droites d'une même surface du troisième ordre de la Géométrie finie.
 Marchionna, Ermanno. 2473: Osservazioni sulla struttura aritmetica degli anelli e degli anelloidi finiti. 6847: Sui multipli dei sistemi lineari d'ipersuperficie appartenenti ad una varietà algebrica pluriregolare.
 Marcinkowska, H. 492: On the differentiability of weak solutions of certain non-elliptic equations.
 Marcus, F. 6879: Sur les surfaces qui admettent des déformations infinitésimales projectives similaires. 6880: Sur la déformation infinitésimale projective-conforme d'une surface en elle-même.
 Marcus, L. 3276: (with Bogdanoff, J. L. and Goldberg, J. E.) Linear vibration of a pinned rotating blade.
 Marcus, Marvin. 1327: An inequality connecting the P -condition number and the determinant. 3720: Another remark on a result of K. Goldberg. 5007: Linear operations on matrices. 42: (with Mine, Henryk) Disjoint pairs of sets and incidence matrices. 5004: (with Mine, Henryk) On the relation between the determinant and the permanent. 5005: (with Mine, Henryk) The invariance of symmetric functions of singular values. 5006: (with Newman, Morris) The sum of the elements of the powers of a matrix.

- Marcus, Solomon.** 1461: Sur un problème de Z. Zahoraki concernant les points où la dérivée est infinie. 1462: Sur les ensembles déterminants des dérivées approximatives. 1851: Sur un théorème de Norman Levine. 2558: Points of discontinuity and points at which the derivative is infinite. 2559: Sur une généralisation de la notion de quasi-analyticité. 2560: Les ensembles stationnaires de certaines classes de fonctions dérivées. 3836: Zusammenstellung von Funktionen von beschränkter Variation. 3849: Sur un problème posé par O. Frink, Jr. 3850: Atomic measures and Darboux property. 3864: Sur la superposition de deux fonctions intégrables Riemann et sur le changement des variables dans l'intégrale Riemann. 4877a: Sur un modèle logique de la catégorie grammaticale élémentaire. I. 4877b: Sur un modèle logique de la catégorie grammaticale élémentaire. II. 6020: Automates finis, progressions arithmétiques et grammaires à un nombre fini d'états. **Marczewski, Edward.** 2382: Nombre d'éléments indépendants et nombre d'éléments générateurs dans les algèbres abstraites finies. 58: (with Bleicher, M. N.) Remarks on dependence relations and closure operators. 60: (with Urbanik, K.) Abstract algebras in which all elements are independent. **Marden, Morris.** 6368: Location of the zeros of infrapolynomials. **Mardelić, Sibe.** 5545: Locally connected ordered and chainable continua. 3012: (with Papić, P.) Diadic bicompacta and continuous mappings of ordered bicompacta. **Mardia, K. V.** 1435: An important integral and applications in partial fractions. **Marek, Ivo.** 1763: On some spectral properties of Radon-Nicolaï operators and their generalizations. 6714: On the approximative solution of integral equations. 6786: Iterations of linear bounded operators and Kellogg's iterations. 6787: Iterations of linear bounded operators in non self-adjoint eigenvalue problems and Kellogg's iteration process. **Margulies, G.** 6570: Peterson's theorem on surfaces corresponding by parallelism. I. **Marhalov, L. M.** 7144: On the separation and computation of the roots of an algebraic equation. **Marjanović, T. P.** 5659: A single-line system of mass service with an unreliable device. **Mark, Richard M.** 3312: On shear flow past flat plates. **Markashov, L. M. = Marhalov, L. M.** **Markova, N. P.** 3125: (with Čistjakov, V. P.) Some theorems for non-homogeneous branching processes. **Markus, Lawrence.** 1561: Periodic solutions and invariant sets of structurally stable differential systems. **Markus, Solomon = Marcus, Solomon.** **Maroňík, L. S.** 7429: The form of cometary envelopes. **Maron, V. I.** 3328: (with Medvedev, V. A.) On the derivation of energy equations for interpenetrating motions of gas media. **Maron, P.** 2282: (with Jancel, R., and Kahan, T.) Analyse de la fonction de distribution électronique dans une décharge haute fréquence. I. **Marqués, Bartolomé Frontera.** See Frontera Marqués, Bartolomé. **Marr, J. M.** 2946: (with Stamey, William L.) Unions of two convex sets. **Marsh, D. C. B.** 647: Silhouettes and degenerate loci of quadratic forms. **Marshall, Albert W.** 5615: (with Birnbaum, Z. W.) Some multivariate Chebyshev inequalities with extensions to continuous parameter processes. **Marshall, Clifford W.** 1205: Double correspondence graphs. **Martellotta, Rosalia.** 6090: Funzioni booleane implicite. **Mariellucci, Anthony.** 3333: An extension of the linearized characteristic method for calculating the supersonic flow around elliptic cones. **Martensen, Erich.** 5175: Über eine Methode zum räumlichen Neumannschen Problem mit einer Anwendung für torusartige Berandungen. **Martin, A.** 2189: (with Cornille, H.) Propriétés analytiques de l'amplitude de diffusion de deux particules chargées interagissant par un potentiel du type Yukawa. 2225: Constraints imposed on Mandelstam representation by unitarity. **Martin, D.** 952: (with Lin, T. H. and Uchiyama, S.) Stress field in metals at initial stage of plastic deformation. **Martin, Donald C.** 5065: (with Katti, S. K.) Approximations to the Neyman Type A distribution for practical problems. **Martin J. L.** 5874: The Lorentz covariant Lee model. **Martin, M. H.** 2628: On the uniqueness of harmonic functions under boundary conditions. **Martin, N. F. G.** 5419: Quasi-continuous functions on product spaces. **Martin, R. M.** 1240: Existential quantification and the "regimentation" of ordinary language. **Martindale, Wallace S., 3rd.** 3737: Primitive algebras with involution. **Martineau, André.** 1492a: Indicateurs des fonctionnelles analytiques et inversion de la transformée de Fourier-Borel par la transformation de Laplace. 1492b: Indicateurs des fonctions analytiques et inversion de la transformation de Fourier-Borel par la transformation de Laplace. **Martinelli, Enzo.** 1835: Varietà e struttura quaternionale generalizzata. 1836: Modello metrico reale dello spazio proiettivo quaternionale. 3930: Sopra un teorema di F. Severi nella teoria delle funzioni analitiche di più variabili complesse. **Martino, M. A.** 2280: (with Haberler, G. J.) Existence theorems and spectral theory for the multigroup diffusion model. **Marijanova, R. A.** 1554: Asymptotic theorems. **Martynjuk, A. E.** 1602: The solution of a fundamental boundary-value problem for certain linear partial differential equations of even order. **Martynjuk, V. V.** 4514: An efficient construction of the transitive closure of a binary relation. **Marynev, A. V.** 5734: (with Gončarova, I. F.) On a practical method of automatic choice of scale for solving systems of ordinary differential equations. **Marušič, I.** 528: On polynomials deviating least from zero whose coefficients obey a given linear relation. 1672: Sur les polynomes de la meilleure approximation d'une fonction continue sur un ensemble fini de points dans le plan complexe. **Marvin, Robert S.** 4564: (with Oser, Hansjörg) A model for the viscoelastic behavior of rubberlike polymers including entanglement effects. **Mas, Luis.** 925: Application de la méthode de variation des constantes au problème de deux corps. **Masan, P.** 2887: Isometric flows on Hilbert space. 7047: (with Robertson, J.) The time-domain analysis of a continuous parameter weakly stationary stochastic process. **Mascart, Henri.** 4205: Sur certaines équations aux dérivées partielles liées à des égalités fonctionnelles vérifiées par des opérateurs linéaires. 5169: Sur les opérateurs linéaires appliquant l'un sur l'autre deux espaces d'opérateurs linéaires. **Maschler, Michael.** 1475: Derivatives of the harmonic measures in multiply-connected domains. 2332: (with Davis, Morton) Existence of stable payoff configurations for cooperative games. **Masket, A. V.** 921: (with Vastano, A. C.) Interior value problems of mathematical physics. I. Wave propagation. 922: (with Vastano, A. C.) Interior value problems of mathematical physics. II. Heat conduction. **Maškevič, V. S.** 2158: Electromagnetic waves in a medium possessing a continuous energy spectrum. III. **Maskit, Bernard.** 5549: On a conjecture concerning planar coverings of surfaces. **Maslennikov, M. V.** 5968: Uniqueness of the solution of the inverse problem of the asymptotic theory of radiative transfer. 7309: On a converse problem in the theory of radiation passage through matter. **Maslov, S. Ju.** 1245: Transformation of arbitrary canonical calculi into canonical calculi of special types. **Maslova, N. B.** 5926: Some remarks on Maxwell's relativistic distribution. 5930: Relativistic integral kinetic equations. **Masotti Biggiogero, Giuseppina.** 673: Nuove formule di geometria integrale relativa agli ovali. **Massera, José L.** 1575: On the existence of Lyapunov functions. 3977: On the existence of bounded periodic solutions of quasi-linear systems of differential equations. **Masson, D.** 1097: (with Lovelace, C.) Calculation of Regge poles by continued fractions. I. **Masterson, Gregory E.** 1943: (with Sherman, Seymour) On queues in tandem. **Mastrogiovanni, Pasquale.** 2971: Su alcune classi particolari di connessioni tensoriali per tensori controvarianti e covarianti m -pli.

- Masuda, Katsuhiko. 1300: An application of the generalized norm residue symbol.
- Mátić, L. 1713: On the problem of Mikusinski's logarithm.
- Mateescu, Dan. 5829: Supersonic flow around a trapezoidal wing fitted with two conical bodies. 7275: Tragflügel mit Abreißflächen beliebiger Form in Überschallströmung. 5830: (with Carafoli, Elie) The wing-conical body interference in high order conical flows.
- Mateu, José L. Viviente. *See* Viviente Mateu, José L.
- Mathurin, Claude. 936: Application de l'algèbre et de l'analyse linéaires à la statique des plaques élastiques.
- Matilicuk, M. I. 6601: (with Eidel'man, S. D.) Fundamental matrices of solutions of second-order parabolic systems whose coefficients satisfy an integral Hölder condition.
- Matinjan, S. G. 1042: (with Perel'man, M. E.) On the anomalous connection between spin and statistics.
- Matossi, Frank. 4722: ★Gruppentheorie der Eigenschwingungen von Punktsystemen.
- Matsumoto, Kikuji. 6415: Remark on Lehto's paper: "A generalization of Picard's theorem".
- Matsumoto, Makoto. 1172: (with Fujitani, Tamehiro and Ikeda, Mineo) On the imbedding of the Schwarzschild space-time. I. 1173: (with Fujitani, Tamehiro and Ikeda, Mineo) On the imbedding of the Schwarzschild space-time. II. 1174: (with Fujitani, Tamehiro and Ikeda, Mineo) On the imbedding of the Schwarzschild space-time. III.
- Matsumura, Hideyuki. 2386: (with Nagata, Masayoshi) A theorem in elementary arithmetic.
- Matsumura, Mutsumi. 1615: Existence de solutions locales pour quelques opérateurs différentiels.
- Matsumaga, Hiromichi. 4359: The homotopy groups $\pi_{2n+3}(U(n))$ for $i=3, 4$ and 5 . 4360: On the groups $\pi_{2n+7}(U(n))$, odd primary components. 4361: Correction to the preceding paper and note on the James number. 5577: Some stunted projective spaces.
- Matsuoka, Yoshiro. 517: A generalization of Abel-Frobenius theorem.
- Matsuura, Shigetake. 2569: On weak measurability in functional spaces.
- Mattenet, Gérard. 1380: Exemple d'équivalence régulière et simplifiable dans un quasi-groupe.
- Matthes, Theodore K. 846: On the optimality of sequential probability ratio tests.
- Matthews, P. T. 5866: Group theoretic and analytic properties of scattering amplitudes. 3425: (with Evans, L. and Feldman, G.) Gauge invariance and renormalization constants.
- Mattuck, Arthur. 122: Symmetric products and Jacobians.
- Matuliauskas, A. 6274: Integral representations of a fourth-order cyclic group.
- Matulis, V. A. 1241: Two variants of the classical predicate calculus without structural inference rules. 4894: Variants of the classical predicate calculus with a unique tree of deduction.
- Matuliauskas, A. = Matuliauskas, A.
- Matusita, Kameo. 7085: Interval estimation based on the notion of affinity.
- Matuszewska, W. 6750: (with Orlicz, W.) A note on the theory of s -normed spaces of p -integrable functions.
- Matužavicius, A. 3065: Obstructions for cross-sections of double fibres.
- Maveev, R. F. 7046: Singular stationary vector processes.
- Maude, R. 5176: Conditions for positive Φ -capacity.
- Maurer, Donald. 2285: On the quadratic character of certain quantities.
- Maurer, I. Gy. 5052: Über im Endomorphismenring einer abelschen Gruppe definierte unendliche Reihen und Produkte.
- Maurin, Jacques. 3314: Un modèle simple de la transition en écoulement de Poiseuille.
- Maurin, K. 4206: H_0^4 -Räume und ihre Anwendung auf allgemeine Eigenfunktionsentwicklungen. 4207: Mappings of Hilbert-Schmidt type; their applications to eigenfunction expansions and elliptic boundary problems.
- Maury, Guy. 2526: Existence d'un demi-groupe régulier maximal homomorphe à un demi-groupe possédant un idéal à droite minimal et un idéal à gauche minimal.
- Mavridis, Stamatis. 3301: Énergie gravitationnelle en théorie euclidienne du champ de gravitation.
- Max, Joel. 4841: Signal sets with uniform correlation properties.
- Maxfield, Margaret W. 5656: (with Crow, Edwin L. and Davis, Frances A.) ★Statistics manual: With examples taken from ordnance development.
- Maxwell, A. E. 4439: Recent trends in factor analysis.
- Maybee, J. S. 6573: On a smoothing operator for the wave equation.
- Mayne, Alan J. 5691: (with James, G. S.) Cumulants of functions of random variables.
- Mazhar, S. M. 2263: A theorem on the absolute Cesàro summability of factored Fourier series.
- Maz'ja, V. G. 1606: On the solvability of the Neumann problem. 2630: (with Burago, Ju. D. and Sapofnikova, V. D.) On the potential of a double layer for non-regular domains.
- Mazur, Peter. 4730: (with Montroll, Elliott) Poincaré cycles, ergodicity, and irreversibility in assemblies of coupled harmonic oscillators.
- McCall, Storrs. 6648: A simple decision procedure for one-variable implicational/negation formulae in intuitionist logic.
- McCarthy, John. 5766: A basis for a mathematical theory of computation.
- McCarty, G. S., Jr. 3062: Homeotopy groups. 6942: Local connectivity in homeomorphism groups.
- McCluskey, E. J., Jr. 7179: (with Pyne, I. B.) An essay on prime implicant tables.
- McCoy, Neal H. 149: Certain systems of linear equations over a ring with an application to polynomial rings.
- McFadden, J. A. 6001: The probability density of the output of an RC filter when the input is a binary random process.
- McKean, H. P., Jr. 4421: A Hölder condition for Brownian local time. 3966: (with Ray, D. B.) Spectral distribution of a differential operator. 5619: (with Blumenthal, R. M. and Getoor, R. K.) Markov processes with identical hitting distributions.
- McKelvey, Robert. 4178: The spectra of minimal self-adjoint extensions of a symmetric operator.
- McKinney, Richard L. 5392: Positive bases for linear spaces.
- McKisick, Robert. 4166: A nontrivial normal sup norm algebra.
- McLachlan, A. D. 4720: Retarded dispersion forces between molecules.
- McLachlan, N. W. 2823: ★Modern operational calculus with applications in technical mathematics. 6362: ★Complex variable theory and transform calculus with technical applications.
- McLaren, A. D. 4462: On group representations and invariant stochastic processes.
- McLaughlin, Thomas G. 4900: On an extension of a theorem of Friedberg. 4901: A theorem on productive functions.
- McLeod, J. B. 1524: On a recurrence formula in differential equations. 3969: Eigenfunction expansions associated with a complex differential operator of the second order. 4041: On the H_2^+ ion.
- McMaster, William H. 3395: Matrix representation of polarization.
- McMillan, D. R., Jr. 1868: (with Kister, J. M.) Locally euclidean factors of E^4 which cannot be imbedded in E^3 .
- McNabb, A. 448: Strong comparison theorems for elliptic equations of second order. 486: Comparison and existence theorems for multi-component diffusion systems.
- McNemar, Quinn. 7064: ★Psychological statistics.
- McNulty, Frank W. 1206: Pellet-effectiveness analysis.
- McQuillan, Donald L. 6170: Ramification in elliptic modular function fields.
- McShane, E. J. 5614: Stochastic integrals and non-linear processes.
- McWilliams, R. D. 6724a: A note on weak sequential convergence. 6724b: On the w^* -sequential closure of a cone.
- Mead, David G. 2437: (with Hillman, Abraham P.) On the Ritt polygon process.
- Meadows, H. E. 5208: Solutions of systems of linear ordinary differential equations with periodic coefficients.
- Meder, J. 2771: On the Nörlund summability of orthogonal series.
- Meditch, J. S. 4860: (with Gibson, J. E.) On the real-time control of time-varying linear systems.
- Medvedev, Ju. T. 4904: Interpretation of logical formulae by finite problems and its relation to the theory of realizability.
- Medvedev, N. V. 1543: Some problems in the qualitative study of differential equations in the plane.
- Medvedev, V. A. 3328: (with Maron, V. I.) On the derivation of energy equations for interpenetrating motions of gas media.

- Meffroy, Jean.** 1195: Sur l'intégration des équations différentielles d'un astéroïde de masse négligeable animé d'un mouvement plan et sensiblement rectiligne. 3505: Sur un cas particulier du mouvement rectiligne du problème des n corps. 4603: Sur la recherche systématique des équations différentielles rigoureuses du mouvement plan d'un astéroïde de masse négligeable en coordonnées polaires.
- Mehra, M. L.** 2209: On the summation of generalized ladders for a many-fermion system.
- Meijer, Paul H. E.** 4732: (with Tanaka, Tomoyasu and Barry, Jeremiah) Dynamical behavior of a set of weakly coupled Ising spins.
- Meiman, N.** 4608: (with Gokhfeld, I.) On the solution of equations of the Chew-Mandelstam type.
- Meinardus, Günter.** 2781: Über Tschebyscheffsche Approximationen. 4095: Über den Haarschen Eindeutigkeitssatz aus der Theorie der linearen Approximationen.
- Meis, Theodor.** 5158: Die minimale Blätterzahl der Konkretisierungen einer kompakten Riemannschen Fläche.
- Meister, E.** 958a: Zum Dirichlet-Problem der Helmholtzschen Schwingungsgleichung für ein gestaffeltes Streckengitter. 958b: Zum Neumann-Problem der Helmholtzschen Schwingungsgleichung für ein gestaffeltes Streckengitter.
- Meisters, G. H.** 1471: (with Olech, C.) Locally one-to-one mappings and a classical theorem on schlicht functions.
- Meixner, J.** 5855: Thermodynamics of electrical networks and the Onsager-Casimir reciprocal relations. 7377: Der Drehimpulssatz in der Thermodynamik der irreversiblen Prozesse.
- Melamed, V. B.** 4076: On the problem of branching of solutions of a non-linear analytic equation.
- Melas, C. Michael.** 3545: Codes autocorrecteurs de redondance $m/(2m+1)$.
- Melen'ev, B. V.** 4062: Uniqueness theorems for the solution of certain boundary-value problems for equations of mixed type.
- Melen'ev, P. V.** 3169: ★Approximate calculations.
- Meligy, A. S.** 1050: (with El Gazzy, E. M.) Expansions of Coulomb wave functions in terms of Bessel functions.
- Mel'nikov, G. I.** 1579: A remark on the equation of motion of a ship.
- Mel'nikov, V. = Mel'nikov, V. K.**
- Mel'nikov, V. K.** 421: The behaviour of the trajectories of a system which is close to an autonomous Hamiltonian system. 2693: Qualitative description of strong resonance in a non-linear system.
- Mel'nikova, N. S.** 980: (with Kočina, N. N.) On the motion of a piston in an ideal gas.
- Mekak, Z. A.** 75: A note on Hilbert's tenth problem. 4382: Scattering from random linear arrays with closest approach. 5994: On a uniqueness theorem and its application to a neurophysiological control mechanism.
- Mendelsohn, N. S.** 132: Congruence relationships for integral recurrences. 135: (with Dulmage, A. L.) The exponent of a primitive matrix. 3721: (with Dulmage, A. L.) A remark on a result of Marvin Marcus.
- Mendotti, Giovanni.** 7202: Vibrazioni libere e forzate di un corpo rigido in un mezzo elastico.
- Meng, Ching-Hwa.** 601: On the numerical range of an operator.
- Men'sikova, V. I.** 1005: Some semi-inverse methods in the theory of motion of ground fluid.
- Men'skov, D. E.** 1677: On the limits of indeterminacy of subsequences of partial sums of Fourier series.
- Mercer, A. McD.** 2827: On integral transform pairs arising from differential equations of any even order.
- Mercerav, S. J.** 3550: Compatibility of a two-degree-of-freedom system with a set of independent specifications.
- Mercier, Jean.** 7189: Lois de maxima et de minima.
- Merkel, Rudolph B.** 2534: (with Tamura, Takayuki and Latimer, Jack F.) The direct product of right singular semigroups and certain groupoids.
- Merkes, E. P.** 1499: (with Robertson, M. S. and Scott, W. T.) On products of starlike functions. 316: (with Robertson, M. S. and Scott, W. T.) On products of starlike functions.
- Merli, Luigi.** 2713: Sul problema di Cauchy relativo alle equazioni alle derivate parziali del primo ordine di tipo similineare.
- Merlo, Juan Carlos.** 6792: Some remarks on multipliers and their application to singular kernels.
- Mermin, N. David.** 3448: Stability of the thermal Hartree-Fock approximation.
- Merzljakov, Ju. I.** 1996: A relaxation method of solving systems of linear inequalities. 1348: (with Kargapolov, M. I. and Remeslennikov, V. N.) On a method of group adjunction.
- Meschkowski, H.** 4867: Der Funktionsbegriff in der modernen Mathematik. 6637: ★Unendliche Reihen.
- Meshi, K. G.** 3259: A study of boundary-value problems of the statics of plane anisotropic elastic body.
- Meshkov, S.** 1109: (with Levinson, C. A. and Lipkin, H. J.) Experimental tests of unitary symmetry.
- Messiah, Albert.** 4643: ★Quantum mechanics. Vol. II. 3451: (with Bloch, Claude) The canonical form of an antisymmetric tensor and its application to the theory of superconductivity.
- Mestel, L.** 1197: (with Roxburgh, I. W.) On the thermal generation of toroidal magnetic fields in rotating stars.
- Metcalf, F. T.** 3846: (with Diaz, J. B.) Stronger forms of a class of inequalities of G. Pólya-G. Szegő, and L. V. Kantorovich.
- Métivier, Michel.** 279: Sur les mesures engendrées par certaines classes de fonctions croissantes dans un σ -anneau pseudo-topologique. 5114: Sur la désintégration des mesures.
- Metze, Gernot.** 3236: A class of binary divisions yielding minimally represented quotients.
- Metzner, A. W. K.** 4793: (with Bondi, H. and van der Burg, M. G. J.) Gravitational waves in general relativity. VII. Waves from axisymmetric isolated systems.
- Meulenbeld, B.** 1501: (with Robin, L.) Les fonctions de Jacobi. 1507: (with Kuipers, L.) Quelques intégrales pour les fonctions de Legendre associées généralisées.
- Meyer, Jean-Pierre.** 4362: Principal fibrations. 6965: Whitehead products and Postnikov systems.
- Meyer, Klaus.** 4763: Bemerkungen zur Theorie der ferromagnetischen linearen Kette.
- Meyer, P. A.** 1927: Decomposition of supermartingales: the uniqueness theorem. 6748: (with Choquet, Gustave) Existence et unicité des représentations intégrales dans les convexes compacts quelconques.
- Meyer, R. E.** 5818: (with Ho, D. V.) Climb of a bore on beach. I. Uniform beach slope. 7250: (with Shen, M. C.) On the radial spreading of water waves.
- Meyer, Richard F.** 576: (with Brown, Robert G.) The fundamental theorem of exponential smoothing.
- Meyerhof, Walter E.** 4772: (with Segrè, Emilio and Friedlander, Gerhart; co-editors) ★Annual review of Nuclear Science. Vol. 12.
- Meyer-Pundt, G.** 4683: Über die kovariante Quantisierung des elektrodynamischen Feldes bei nichtverschwindender Photonenmasse. 7342: Quantenelektrodynamik bei nichtverschwindender Photonenmasse.
- Meyer zur Capellen, Walther.** 5776: (with Rath, Walter) ★Kinematik der sphärischen Schubkurbel.
- Meyers, Norman G.** 5468: Meyers, Norman G.
- Meyers, Norman G.** 6568: An expansion about infinity for solutions of linear elliptic equations. 6569: On a class of nonuniformly elliptic quasi-linear equations in the plane.
- Meynoux, Robert.** 6630: Sur un théorème d'analyticité des solutions d'une équation fonctionnelle.
- Micali, Artibano.** 3744: Sur les algèbres symétriques et extérieures d'un module projectif.
- Michael, D. H.** 4611: The stability of an incompressible jet with an aligned magnetic field.
- Michael, E.** 2853: Continuous selections in Banach spaces. 4366: Collared sets.
- Michael, J. H.** 1427: The equivalence of two areas for nonparametric discontinuous surfaces. 3874: The convergence of measures on parametric surfaces.
- Middleton, David.** 7459: The incoherent estimation of signal amplitudes in normal noise backgrounds.
- Miękisz, S.** 3307: Non-stationary flow of a viscous fluid through vessels having elastic walls. Linear approach. 3308: On the dispersion of the propagation velocity of a disturbance in a liquid flowing through elastic-walled vessels.
- Miellou, Jean-Claude.** 7170: (with Gastinel, Noël) Résolution d'équations fonctionnelles par la méthode de décomposition de norme.

- Application à l'approximation de la solution de problèmes aux limites elliptiques variationnels linéaires du second ordre.
- Mierdel, Georg. 2163: Die Matrizen in der Elektrotechnik.
- Miesel, K. 1008: (with Benda, S.; Klebe, J. and Lehmann, H.-R.) Über eine Methode zur Bestimmung von Breitweiten optischer Systeme.
- Mihăilescu, Eugen. 2355: Système d'équivalence, conjonction et réciprocité. 2355: Sur la méthode de J. Lukasiewicz.
- Mihăilescu, Tiberiu. 4211: On the variation of an affine arc of planar curves. 4266: Les systèmes triples non holonomes linéaires et la correspondance entre deux espaces projectifs.
- Mihailov, L. G. 2723: Elliptic equations with singular coefficients.
- Mihailov, V. 487: The Dirichlet problem and the first mixed problem for a parabolic equation. 2734: On a boundary-value problem. 6824: On Riesz bases in $L_2(0, 1)$.
- Mihailovskii, V. I. 4298: Infinitesimal "gliding" deformations of surfaces of rotation of negative curvature.
- Mihailovskii, V. M. 803: (with Dragan, Ja. P. and Dubrov, Ja. A.) On the theory of non-stationary stochastic processes.
- Mihaljan, John M. 3317: A rigorous exposition of the Boussinesq approximations applicable to a thin layer of fluid.
- Mihnev, A. S. 5828: Supersonic flow past a body of revolution.
- Mihira, Takeo. 4363: A generalization of Hu's theorem on fiber spaces with unified slicing functions.
- Mihlin, S. G. 2733: On the rational choice of coordinate functions in the Ritz method.
- Mihoc, Gh. 4414: La loi limite pour les sommes de variables vectorielles d'une chaîne à liaisons multiples complètes, stationnaires. 7021: (with Firescu, D.) Généralisation de quelques processus stochastiques.
- Mikolás, M. 5362: Über die Begründung eines einheitlichen und erweiterten Infinitesimalkalküls im Komplexen.
- Mikulski, Piotr Witold. 1972: On the efficiency of optimal nonparametric procedures in the two sample case.
- Mikusiński, J. 1462: Analytic functions of polynomial growth. 2833: Application du calcul opérationnel aux équations aux dérivées partielles. 3723: Sur les extrêmes des déterminants. 4131: Operators and distributions.
- Milan'tev, V. P. 7120: The calculation of time correlations by Gibbs' method.
- Miles, John W. 2083: Note on the damping of free-surface oscillations due to drainage.
- Miles, P. E. 5436: Order isomorphisms of B^* algebras.
- Milicer-Grużewska, H. 2741: Recherche sur les propriétés de la solution du système parabolique d'équations. 4057: La construction du champ de probabilité avec la solution fondamentale de l'équation parabolique normale aux coefficients höldériens. 4058: Sur les solutions de l'équation parabolique normale aux coefficients höldériens qui est une probabilité conditionnelle de processus stochastique. I, II. 4059: Propriété limite du potentiel spécial de simple couche d'un système parabolique d'équations. 5208: Un théorème sur la dérivée spatiale de l'intégrale généralisée de Poisson-Weierstrass du système parabolique d'équations.
- Miller, A. J. 4426: Corrigendum to the paper: "Road traffic flow considered as a stochastic process".
- Miller, C. E. 7448: (with Tucker, A. W. and Zemlin, R. A.) Integer programming formulation of traveling salesman problems.
- Miller, Donald W. 3800: Hamiltonian semigroups.
- Miller, G. F. 2023: The evaluation of eigenvalues of a differential equation arising in a problem in genetics.
- Miller, J. B. 5369: Generalized-function calculi for the Laplace transformation.
- Miller, J. C. P. 365a: (with Fletcher, A.; Rosenhead, L. and Comrie, L. J.) ★An index of mathematical tables. Vol. I: Introduction. Part I: Index according to functions. 365b: (with Fletcher, A.; Rosenhead, L. and Comrie, L. J.) ★An index of mathematical tables. Vol. II. Part II: Bibliography. Part III: Errors. Part IV: Index to Introduction and Part I.
- Miller, James. 5198: Formulas for integrals of products of associated Legendre or Laguerre functions.
- Miller, Rupert G., Jr. 3133: Continuous time stochastic storage processes with random linear inputs and outputs.
- Mills, W. H. 3681: (with Gordon, Basil and Welch, L. R.) Some new difference sets. 6243: (with Gorenstein, Daniel and Sandier, Reuben) On almost-commuting permutations. 3680: (with Lehmer, D. H. and Lehmer, Emma) Pairs of consecutive power residues.
- Milne, W. E. 3197: (with Reynolds, R. R.) Stability of a numerical solution of differential equations. II.
- Milnes, Harold W. 4492: (with Chow, Tee-Sun) Solution of Laplace's equation by boundary contraction over regions of irregular shape.
- Milnor, John W. 5584: (with Kervaire, Michel A.) Groups of homotopy spheres. I.
- Mil'shtein, G. N. = Mil'stein, G. N.
- Mil'stein, G. N. 6541: On the approximate realization of responses using transient curves. 2699: (with Solohovič, F. A.) Almost recurrent and uniformly Poisson stable orbits in a linear dynamical system.
- Minakshisundaram, S. 5142: On the multiplication of Dirichlet series.
- Mine, G. E. 1242: An analogue of Herbrand's theorem for the constructive predicate calculus. 6053: On the predicate of differentiability and the differentiation operator in constructive mathematical analysis.
- Mine, Henryk. 42: (with Marcus, Marvin) Disjoint pairs of sets and incidence matrices. 5004: (with Marcus, Marvin) On the relation between the determinant and the permanent. 5005: (with Marcus, Marvin) The invariance of symmetric functions of singular values.
- Mino, R. M. 405: The character of certain types of complex equilibrium states in n -space.
- Mindlin, R. A. 1668: General representations of solutions of the wave equation in spaces of two and three dimensions.
- Mindlin, R. D. 2057: (with Tiersten, H. F.) Effects of couple-stresses in linear elasticity.
- Minlos, R. A. 4654: (with Faddeev, L. D.) On the point interaction for a three-particle system in quantum mechanics.
- Minorsky, Nicolas. 6503: Sur la méthode stroboscopique.
- Minsky, M. L. 21: Size and structure of universal Turing machines using tag systems.
- Minty, George J. 573: On the simultaneous solution of a certain system of linear inequalities.
- Miuț, Petru. 4077: Sur un type spécial de séries.
- Mioduszewski, J. 741: On a quasi-ordering in the class of continuous mappings of a closed interval into itself. 1859: A functional conception of snake-like continua. 3021: On two-to-one continuous functions. 4310: On two-to-one functions. 4335: (with Rochnowski, M.) Remarks on fixed point theorem for inverse limit spaces.
- Miqueo, José Javier Etayo. See Etayo Miqueo, José Javier.
- Miranda, C. 5289: Su un problema di Dirichlet per le equazioni fortemente ellittiche a coefficienti costanti in un dominio a frontiera degenera.
- Miraner, W. L. 3967: Singular perturbation eigenvalues by a method of undetermined coefficients. 973: (with Cohen, Hirsh) Boundary-layer behavior in the superconductor transition problem.
- Miron, Radu. 5482: La géométrie des configurations de Myller. 5483: Les configurations de Myller $\mathfrak{M}(C, \xi_1, T^{n-1})$ dans les espaces de Riemann V_n . I. 6001: Les configurations Myller $\mathfrak{M}(C, \xi_1, T^{n-1})$ dans les espaces de Riemann V_n . Applications à l'étude des hypersurfaces V_{n-1} de V_n .
- Mironov, V. T. 6650: An interpolation process related to the moment problem.
- Mishæ, Luna L. 391: Fourier series and eigenfunction expansions associated with a non-self-adjoint differential equation.
- Mishra, R. S. 5831: Deflection of an impinging stream through a shock wave in a perfect gas. 5960: Solutions of gauge-invariant generalization equations of field theories with asymmetric fundamental tensor. 7419: Recurrence relations in Einstein's unified field theory.
- Mispie, M. 3000: Rheologische Strukturen. I. Die geometrische Theorie der rheologischen Strukturen.
- Misina, A. P. 217: Separability of complete direct sums of torsion-free Abelian groups of rank one. 2499: On automorphisms and endomorphisms of Abelian groups. 2560: Separability of complete direct sums of torsion-free Abelian groups of rank 1.
- Misner, C. W. 1182: (with Arnowitt, R. and Deser, S.) The dynamics of general relativity.

- Misra, Markandeya. 7420: (with Radhakrishna, L.) Some electro-magnetic fields of cylindrical symmetry.
- Mitchell, A. R. 3269: (with Pearce, R. P.) On finite difference methods of solution of the transport equation.
- Mitchell, John N., Jr. 3231: Computer multiplication and division using binary logarithms.
- Mitchell, Josephine. 5171: Properties of harmonic functions of three real variables given by Bergman-Whittaker operators.
- Mitchell, T. P. 5784: (with Warren, W. E.) The stresses in a thin circular disk rotating about an eccentric circular rigid insert.
- Mitjagin, B. = Mitjagin, B. S.
- Mitjagin, B. S. 1769: (with Rolewicz, S. and Zelazko, W.) Entire functions in B_0 -algebras.
- Mitjuk, I. P. 5149: Quelques applications du principe de la symérisation. 6403: On the quasiconformal mapping of domains of arbitrary connectivity. 6404: Some theorems on univalent quasiconformal mappings of multiply connected domains.
- Mitrinović, D. S. 1237: (Editor) ★Collection of problems in mathematics. 6331: Sur une inégalité algébrique. 2760: (with Djoković, Dragomir Ž.) Propriétés d'une matrice cyclique et ses applications à une équation fonctionnelle. 6333: (with Djoković, D. Ž.) Certaines inégalités où intervient la fonction puissance. 6404: (with Djoković, D. Ž.) Compléments au traité de Kamke. Note VIII. 6405: (with Djoković, D. Ž.) Compléments au traité de Kamke. IX. 6629: (with Doković, Dragomir) Sur certaines équations fonctionnelles dont les solutions générales peuvent être déterminées. 6443: (with Mitrinović, Rutica S.) Tableaux d'une classe de nombres reliés aux nombres de Stirling. II. 2756: (with Prelić, Slavisa B.) Sur une équation fonctionnelle cyclique d'ordre supérieur. 2757: (with Prelić, Slavisa B.) Une classe d'équations fonctionnelles homogènes du second degré. 6070: (with Adamović, D. D. and Djoković, D. Ž.) Formule de décomposition d'une fraction rationnelle en éléments simples suivie de quelques applications.
- Mitrinović, Rutica S. 6443: (with Mitrinović, Dragoslav S.) Tableaux d'une classe de nombres reliés aux nombres de Stirling. II.
- Mitropol'skii, Ju. A. 3989: A survey of the development of the theory of non-linear oscillations. 6531: The method of integral manifolds in the theory of nonlinear oscillations. 6532: (with Bogoliubov, N. N.) The method of integral manifolds in nonlinear mechanics.
- Mitropol'skii, Yu. A. = Mitropol'skii, Ju. A.
- Mitrović, Dragiša. 6370: Une généralisation de certaines formules de Montel.
- Mitra, R. 3213: Relative convergence of the solution of a doubly infinite set of equations.
- Miu, Ion M. 4018: A new procedure of solving some problems with conditions at limits.
- Miyatake, Osamu. 2178: Indefinite metric and its application to quantum mechanics.
- Miyazaki, Ken-ichi. 594: (with Fujikata, Kunihisa) On a space of distributions with support in a closed subset.
- Mizoguchi, Koki. 4548: Some remarks on thin shell theories.
- Mizohata, Sigeru. 440: Solutions nulles et solutions non analytiques. 6607: p -parabolic equations. 489: (with Yamaguti, Masaya) Mixed problem for some semi-linear wave equation.
- Mizumoto, Hisae. 304: On conformal mapping of a multiply-connected domain onto a circular slit covering surface.
- Mizuno, Katuhiko. 3059: Correction: "Semi cubical theory on homotopy classification".
- Mizuawa, Hidee. 5528: Notes on certain Hermitian spaces. 5527: (with Kotô, Satochi) Holomorphically projective curvature tensors in certain almost Kählerian spaces.
- Mjakilev, V. P. 4956: On a third-degree Diophantine equation.
- Mlak, Włodzimierz. 484: Boundary value problems for almost linear parabolic equations. 4151: Note on abstract linear differential inequalities. 6546: Note on maximal solutions of differential equations. 6579: Integration of the first order partial differential inequality with distributions. 6613: An example of the equation $u_t = u_{xx} + f(x, t)$ with distinct maximum and minimum solutions of a mixed problem. 5249: (with Olech, C.) Integration of infinite systems of differential inequalities.
- Mocanu, Petru T. 1439: Un théorème sur les fonctions univalentes. 3393: Sur le rayon de stellérité des fonctions univalentes.
- Mochizuki, Nozomu. 5397: On fully complete spaces.
- Mockus, I. B. 3223: (with Ališauskas, A. V. and Juška, F. P.) Some problems of applying computers for choosing the most efficient constructive parameters.
- Mode, C. J. 4828: A generalized model of a host-pathogen system.
- Moffat, J. W. 4693: (with Bransden, B. H.) Pion-pion scattering in the two-pion exchange approximation.
- Mogi, Isamu. 5508: Γ -bundle and geometry of foliated manifold. 5509: Cyclic cross sections in general Γ -bundles. 5510: Γ -bundle and affine connections.
- Mogyoródi, J. 5607: On limiting distributions for sums of a random number of independent random variables.
- Mohan Rao, D. K. 4668: Rectilinear motion of a Maxwell fluid.
- Moise, Edwin E. 6829: ★Elementary geometry from an advanced standpoint.
- Moiseev, S. S. 2143: (with Zaslavskii, G. M.) Some peculiarities in the behavior of a relativistic plasma with an anisotropic distribution of electron velocities.
- Molčanov, B. G. 117: Remarks on projective imbeddings of algebraic manifolds.
- Moisil, Gr. C. 1233: Les logiques à plusieurs valeurs et l'automatique. 3595: Sur les idéaux des algèbres lukasiewiczien trivalentes. 6045: Sur la logique à trois valeurs de Lukasiewicz.
- Moisini, I. 1600: Sur certains systèmes d'équations différentielles aux dérivées partielles, linéaires et à coefficients variables.
- Moldanov, I. M. = Molčanov, I. N.
- Molčanov, I. N. 7165: Methods of solving three-dimensional elliptic equations economizing the memory of the computer. 7166: An estimate of the rate of convergence of an iterative method of solving an elliptic differential equation. 7167: Some methods of solving elliptic differential equations on digital computers.
- Moldovan, Elena. 4823: Sur le problème des transports. 6664: Sur la meilleure approximation dans des espaces abstraits.
- Molinaro, I. 245: Demi-groupes résidutifs. I, II.
- Möller, C. 7400: Gravitational energy radiation.
- Molnár, Ferenc. 2019: A generalization of Stewart's theorem. 5457: Eine Verallgemeinerung des Satzes von Ceva.
- Molnár, József. 4229: (with Heppes, Aladár) Neuere Ergebnisse in der diskreten Geometrie. II.
- Monahov, G. D. 2043: (with Akushaky, I. Y.; Emelianov-Yaroshevsky, L. B.; Klyamko, E. K. and Linasky, V. S.) Methods of speeding-up the operation of digital computers.
- Monakhof, G. D. = Monahov, G. D.
- Monin, A. S. 2095: On the Lagrangean equations of the hydrodynamics of an incompressible viscous fluid. 7435: Stationary and periodic time series in the general circulation of the atmosphere.
- Monk, Donald. 2381: On pseudo-simple universal algebras.
- Monna, A. F. 6728: Espaces vectoriels topologiques sur un corps valué.
- Monroe, Alfred J. 4505: ★Digital processes for sampled data systems.
- Montaldi, E. 1082: The four-point function for a nonlinear two-component field, and its connections with Heisenberg's theory of elementary particles.
- Montet, George L. 7048: (with Keberle, Edward M.) Explicit solutions of partial difference equations and random paths on plane nets.
- Montgomery, David. 2264: (with Gorman, David) Boltzmann-Vlasov equation in a bounded region.
- Montgomery, Deane. 6033: Oswald Veblen. 6300: (with Conner, Pierre) An example for $SO(3)$. 3816: (with Samelson, Hans) On the action of $SO(3)$ on S^n . 6299: (with Yang, C. T.) A theorem on the action of $SO(3)$.
- Montpetit, G. 3932: (with Reid, J. B.) ★Table of factorials 0! to 9999!
- Montroll, Elliott. 4730: (with Mazur, Peter) Poincaré cycles, ergodicity, and irreversibility in assemblies of coupled harmonic oscillators. 5913: (with Potts, Renfrey B. and Ward, John C.) Correlations and spontaneous magnetization of the two-dimensional Ising model.
- Montserrat, August. 4780: Sur l'aberration et l'effet Doppler dans l'univers de Schwarzschild.
- Mookhopadhyaya, A. K. 2573: A note on a theorem of S. Kurepa.

- Moon, J. W. 5559: On the line-graph of the complete bigraph. 1877: (with Moser, L.) On chromatic bipartite graphs.
- Moór, A. 713: Über Tensoren von rekurrenter kovarianter Ableitung. 5594: Über die Objekte der stetigen Transformationsgruppen.
- Moore, John C. 6229: (with Eilenberg, Samuel) Limits and spectral sequences.
- Moran, S. 183: Note on a question of Malcev. 3784: Unrestricted nilpotent products.
- Morawetz, Cathleen S. 457: (with Lax, Peter D. and Phillips, Ralph S.) The exponential decay of solutions of the wave equation in the exterior of a star-shaped obstacle.
- Mordasova, G. M. 4134: Asymptotic behavior of the eigenvalues of a linear integral equation with discontinuous kernel.
- Mordell, L. J. 74: The diophantine equations $2^n = x^2 + 7$. 2405: On a cyclotomic resolvent. 3655: A congruence problem of E. G. Straus. 4984: (The series $\sum a_n/(1-xe^{2\pi i n})$). 6119: Rational points on cubic curves and surfaces.
- Moreau, Jean-Jacques. 1735: Fonctions convexes duales et points proximaux dans un espace hilbertien. 6734: Propriétés des applications "prox".
- Morel, A. C. 28: (with Frayne, T. and Scott, D. S.) Reduced direct products.
- Morgado, José. 2373: On complete congruences of complete lattices. 2374: Note on the system of closure operators of the ordinal sum of partially ordered sets. 3654: Unitary analogue of the Nagell totient function. 4943: On the closure operators of the cardinal product of partially ordered sets. 6079: Note on complemented closure operators of complete lattices. 6080: A characterization of the closure operators by means of one axiom. 6081: On the closure operators of the ordinal product of partially ordered sets.
- Morgan, Richard C. 6575: (with Karp, Samuel N.) Uniqueness theorem for a surface wave problem in electromagnetic diffraction theory.
- Morgantini, E. 2914: (with Sembenotti, L.) Sulla costruzione gruppale della geometria ellittica della stella. I. 2915: (with Sembenotti, L.) Sulla costruzione gruppale della geometria ellittica della stella. II.
- Morgenstern, Dietrich. 7185: (with Szabó, István) ★Vorlesungen über theoretische Mechanik.
- Morgenstern, S. 1260: Un algorithme du type de Žegalkin pour le problème de la décidabilité en S_2 .
- Mori, Chuji. 7244: Approximate solution of thermal stresses in rectangular plates fixed at an edge.
- Mori, Hazime. 3465: (with Kawasaki, Kyozi) On the Green's functions of the Heisenberg spin systems.
- Mori, Shin'ichi. 320: On a compactification of an open Riemann surface and its application. 1449: On a ring of bounded continuous functions on an open Riemann surface (supplements and corrections to my former paper).
- Mori, Tsuyoshi. 4159: Topological vector spaces.
- Mori, Yoshiro. 146: Theory of rings with zero divisors. 147: Theory of Noetherian rings. I. 148: On regular local rings. 3731: On the integral closure of an integral domain. VI. On the notion of Artin's symbols. V.
- Mörz, Ferenc. 5324: Über die Rieszsche Summation der Orthogonalreihen.
- Moriguti, Sigeiti. 2015: Theory of numerical convergence of iterative processes with applications to differential equations. 7114: (with Robbins, Herbert) A Bayes test of " $p \leq 1/2$ " versus " $p > 1/2$ ".
- Morikawa, Hisao. 2443: On theta functions and abelian varieties over valuation fields of rank one. II. Theta functions and abelian functions of characteristic $p > 0$.
- Morin, Ugo. 5469: Risoluzione geometrica di problemi di analisi diafantea di grado superiore.
- Morioka, Shigeki. 2139: Two-dimensional supersonic jet of a conducting inviscid gas in the presence of a uniform magnetic field.
- Morita, Akira. 2268: (with Abe, Yutaka and Osaka, Yukio) Collective excited states and dielectric constant in insulators. 4762: (with Asuma, Masayoshi and Nara, Hisashi) Theory of impurity levels.
- Morley, L. S. D. 3267: Simple series solution for the bending of a clamped rectangular plate under uniform normal load.
- Moroney, R. M. 6478: A class of characteristic-value problems. 6479: Note on a theorem of Nehari.
- Merezan, T. 6543: Sur un problème de S. Lefschetz. I. 6544: Sur un problème de S. Lefschetz. II.
- Morozov, V. A. 2746: Convergence of the method of lines for certain boundary-value problems.
- Morris, A. O. 238: On Q-functions. 2524: The spin characters of the symmetric groups.
- Morrison, J. A. 2337: On the eigenfunctions corresponding to the bandpass kernel, in the case of degeneracy.
- Morse, Marston. 5591: Schoenflies problems. 6984: Schoenflies extensions and differentiable isotopies. 1898: (with Huebsch, William) The Schoenflies extension in the analytic case. 3078: (with Huebsch, William) The dependence of the Schoenflies extension on an accessory parameter. 3079: (with Huebsch, William) Conical singular points of diffeomorphisms. 4266: (with Huebsch, William) Schoenflies extensions without interior differential singularities.
- Morion, B. R. 1029: Laminar convection in uniformly heated vertical pipes.
- Moser, Jürgen. 5254: Perturbation theory for almost periodic solutions for undamped nonlinear differential equations. 5255: On invariant curves of area-preserving mappings of an annulus. 6506: On the differential equations of electrical circuits and the global nature of the solutions.
- Moser, L. 1877: (with Moon, J. W.) On chromatic bipartite graphs. 1296: (with Riddall, J.) On additive h -bases for n .
- Moses, H. E. 7323: (with Lomont, J. S. and Yu, Kwang) Equivalence and antiequivalence of irreducible sets of operators. I. Finite dimensional spaces.
- Moshinsky, Marcos. 1393: Wigner coefficients for the SU_3 group and some applications.
- Mosimann, James E. 858: On the compound multinomial distribution, the multivariate β -distribution, and correlations among proportions.
- Mosolov, P. P. 451: A boundary-value problem for hypo-elliptic operators.
- Mostert, Paul S. 3023: A fibering theorem for topological semigroups. 6939: Contractible semigroups have no self-linked compact subgroups.
- Mostow, G. D. 256: On maximal subgroups of real Lie groups. 257: Covariant fibrings of Klein spaces. II. 2546: Homogeneous spaces with finite invariant measure. 5092: (with Hochschild, G.) Cohomology of Lie groups.
- Mostowski, Andrzej. 27: Representability of sets in formal systems. 6043: (with Ehrenfeucht, A.) A compact space of models of first order theories.
- Mostowski, A. Włodzimierz. 3781: Nilpotent free groups.
- Moszner, Z. 676: Sur l'équation des courbes sphériques. 3843: Quelques remarques sur l'évanouissement d'un wronskien.
- Motoo, Minoru. 7043: Representation of a certain class of excessive functions and a generator of Markov process.
- Motulevič, V. P. 3384: Unsymmetrical supersonic gas flow around edges of finite thickness.
- Motulevič, V. P. = Motulevič, V. P.
- Motzkin, T. S. 307: (with Walsh, J. L.) Conformal maps of small disks. 1667: (with Walsh, J. L.) Zeros of the error function for Chebycheff approximation in a small region. 2788: (with Walsh, J. L.) Polynomials of best approximation on an interval. II.
- Mould, Richard A. 4644: Quantum theory of measurement.
- Mount, K. R. 6202: On regular local rings.
- Mow, C. C. 7230: (with Pao, Yih-Hsing) Scattering of plane compressional waves by a spherical obstacle.
- Moyal, J. E. 5616: The general theory of stochastic population processes.
- Mozarovskaja, L. S. 113: On formulae representing roots of metacyclic primitive equations of the eighth degree.
- Mráz, Zenon. 7240: Non-associated flow laws in plasticity.
- Muckenhoupt, Benjamin. 5141: Some results on analytic iteration and conjugacy.
- Mučník, A. A. 2347: (with Gindikin, S. G.) The completeness of a system of unreliable elements realizing the functions of an algebra of logic.

- Muggia, Aldo. 2109: *Regioni di arresto per un profilo a bordo di attacco quasi-circolare in corrente ipersonica non simmetrica.*
- Muhly, H. T. 2466: (with Sakuma, M.) Some multiplicative properties of complete ideals.
- Mullari, E. 1807: Surfaces with fields of absolute principal directions.
- Mullen, G. H. 3417: (with Barut, A. O.) Quantization of two-component higher order spinor equations. 3418: (with Barut, A. O.) Action principle for higher order Lagrangians with an indefinite metric.
- Mullender, P. 6156: (with Kuyk, W.) On the invariants of finite abelian groups.
- Müller, G. H. 6053: Über die unendliche Induktion.
- Müller, H. J. W. 1514: Asymptotic expansions of oblate spheroidal wave functions and their characteristic numbers. 1513: (with Dingle, R. B.) Asymptotic expansions of Mathieu functions and their characteristic numbers.
- Müller, Hans Robert. 3243: ★Sphärische Kinematik.
- Müller, Wolfdieter. 6509: Exponentielle Stabilität bei nichtlinearen Differentialgleichungen.
- Müller, Wolfgang. 2566: Über eine Ungleichung zwischen den Normen von f , f' und f'' .
- Mullin, T. W. 1931: Limiting distributions for critical multitype branching processes with discrete time. 2283: Principles of invariance in transport theory.
- Mulin, Albert A. 6114: On a necessary condition for the validity of Goldbach's conjecture.
- Mumford, David. 6177: Further pathologies in algebraic geometry.
- Munk, Walter. 7432: (with Hasselmann, Klaus and MacDonald, Gordon) Bispectra of ocean waves.
- Munkres, James. 1899: Differentiable isotopies on the 2-sphere.
- Munteanu, F. 1329: Extensions d'un théorème relatif à des systèmes d'équations. 3186: Le reste dans les formules de quadrature de Weddle et Hardy.
- Muracchini, Luigi. 711: Trasformazioni puntuali fra spazi conformi e connessioni conformi.
- Murakami, Haruo. 1637: (with Sato, Tokui and Hirasawa, Yoshikazu) Non-linear equations.
- Murakami, Masayasu. 5660: Censored sample from truncated Poisson distribution.
- Murakami, Shingo. 788: Sur certains espaces fibrés principaux holomorphes dont le groupe est abélien connexe.
- Murasaki, Ichiro. 5626: On an extension of Wedderburn's structure theorem.
- Murata, Kentaro. 2512: A subdirect representation of a group. 2513: On nilpotent-free multiplicative systems.
- Murgai, M. P. 3313: (with Khoda, P. K.) A study of the combined effect of thermal radiative transfer and a magnetic field on the gravitational convection of an ionized fluid.
- Muroga, Saburo. 3513: (with Toda, Iwao and Kondo, Mamoru) Majority decision functions of six variables.
- Murphy, S. R. 993: (with Potter, D. S.) Solution of the wave equation in a medium with a particular velocity variation.
- Murray, F. J. 3330: Perturbation theory and Lie algebras.
- Murthy, M. N. 1957: Variance and confidence interval estimation.
- Murthy Rao, K. Narasimha. *See* Narasimha Murthy Rao, K.
- Musen, Peter. 7425: (with Carpenter, Lloyd) On the general planetary perturbations in rectangular coordinates.
- Musielak, J. 5410: Sequences with finite M -variation. 1655: (with Orlicz, W.) On modular spaces of strongly summable sequences.
- Muskat, Joseph. 4968: On certain prime power congruences.
- Musmeci, Rosario. 6859: Estensione di un teorema sull'esistenza di un insieme di perimetro minimo.
- Mutić, Yosio. 4300: On some almost Kählerian spaces.
- Muwafi, Amin. 6116: A quadratic Diophantine equation.
- Myhill, John. 15: $\Omega - \Lambda$.
- Myrberg, Lauri. 6396: Über meromorphe Funktionen auf nullberandeten Riemannschen Flächen.
- Myrberg, P. J. 4075: Eine Verallgemeinerung der Abelschen Funktionalgleichung.
- Mylikis, A. D. 2554: (with Vasil'kovskii, V. V.) On the continuation of continuously differentiable functions.
- Mysovskih, I. P. 4480: Cubature formulas for evaluating integrals over a sphere. 5758: A method of mechanical quadrature for solving integral equations.
- Näbauer, Martha. 644: Apollonische Kurven auf der Kugel.
- Nachbar, W. 3373: (with Johnson, W. E.) Laminar flame theory and the steady, linear burning of a monopropellant.
- Nachbin, Léopoldo. 2864: Sur le théorème de Denjoy-Carleman pour les applications vectorielles indéfiniment différentiables quasi-analytiques. 6736: Sur l'abondance des points extrémaux d'un ensemble convexe borné et fermé.
- Naftalevič, A. G. 5167: On the structure of the set of generalized periods of a matrix of meromorphic functions. 6316: The structure of the set of periods of second kind of a matrix of continuous functions.
- Nagaev, A. V. = Nagaev, S. V.
- Nagaev, S. V. 793: Local limit theorems for large deviations. 4391: An integral limit theorem for large deviations. 7009: Large deviations for a class of positive random variables.
- Nagahara, Takasi. 6203: On generating elements of Galois extensions of simple rings.
- Nagami, Keiô. 248: Dimension-theoretical structure of locally compact groups. 1852: A note on Hausdorff spaces with the star-finite property. I, II. 1853: A note on Hausdorff spaces with the star-finite property. III. 1854: Finite-to-one closed mappings and dimension. IV. 3019: Mappings defined on 0-dimensional spaces and dimension theory.
- Nagano, Tadashi. 1830: On the minimum eigenvalues of the Laplacians in Riemannian manifolds. 2547: (with Kaneyuki, Soji) On the first Betti numbers of compact quotient spaces of complex semi-simple Lie groups by discrete subgroups.
- Nagar, A. L. 7080: A note on the residual variance estimation in simultaneous equations.
- Nagaraj, M. 701: The Rioci identity.
- Nagata, Maasayoshi. 118: Imbedding of an abstract variety in a complete variety. 236: Complete reducibility of rational representations of a matrix group. 1319: Note on orbit spaces. 3700: On the number of solutions of $x_1^2 + x_2^2 + \dots + x_n^2 = a$ in a finite field. 2386: (with Matsumura, Hideyuki) A theorem in elementary arithmetic.
- Nagell, Trygve. 3776: Remarques sur les groupes abéliens infinis admettant une base finie.
- Naghdi, P. M. 3271: (with Nordgren, R. P.) On the nonlinear theory of elastic shells under the Kirchhoff hypothesis.
- Nagumo, Mitio. 593: Re-topologization of functional space in order that a set of operators will be continuous.
- Nagy, K. L. 1099: Dispersion relations in theories with indefinite metric. 2192: Tripole ghosts in field theory. 2230: Die Wechselwirkungen der Elementarteilchen und die Massenspiegelung.
- Naiman, P. B. 127: On the theory of periodic and limit-periodic Jacobian matrices.
- Naimark, B. M. 7236: Some nonlinear boundary value problems in the theory of a Maxwellian body.
- Naimark, M. A. 6304a: Decomposition of a tensor product of irreducible representations of the proper Lorentz group into irreducible representations. II. The case of a tensor product of representations of the fundamental and complementary series. 6304b: Decomposition of a tensor product of irreducible representations of the proper Lorentz group over irreducible representation. III.
- Nair, K. R. 1979: (with Bose, R. C.) Resolvable incomplete block designs with two replications.
- Naito, Makoto. 7239: (with Sakurai, Takeo) Steady two-dimensional channel flow of an incompressible perfect fluid with small electric conductivity in the presence of nonuniform magnetic fields.
- Nakada, Takashi. 7314: (with Hashimoto, Seiya) Heat conduction in a semi-infinite solid heated by a moving heat source along the boundary.
- Nakagawa, Hisao. 5511: On the set of (ϕ, ξ, η) -structures over a differentiable manifold.
- Nakai, Mitsuru. 5155: On the function-ring method in Riemann surfaces.
- Nakamizo, Takayoshi. 4834: (with Sawaragi, Yoshikazu and Sunahara, Yoshifumi) A study on the statistical synthesis of optimum non-linear control systems subjected to non-gaussian random inputs.
- Nakamura, Akira. 3592: On an axiomatic system of the infinitely many-valued threshold logics. 3593: On the infinitely many-valued threshold logics and von Wright's system M' .

- Nakamura, Masahiro. 614: (with Umegaki, Hisaharu) On the Blackwell theorem in operator algebras.
- Nakanishi, Noboru. 4690: Integral representations for production amplitudes in perturbation theory.
- Nakanishi, Shizu. 2578a: Sur la dérivation d'une intégrale E. R. indéfinie. 2578b: Sur la dérivation d'une intégrale E. R. indéfinie. II.
- Nakano, Hidegorō. 4162: (with Ellis, H. W.) Monotone functions on linear lattices.
- Nakano, Kazumi. 6744: (with Shimogaki, Tetsuya) A note on the cut extension of C -spaces.
- Nakano, Shigeo. 3083: Parametrization of a family of bundles.
- Nakano, Takee. 4992: Some examples of the locally bounded fields.
- Nakayama, Shigeru. 2995: Conformal relations in almost Hermitian spaces.
- Namazov, G. K. 386: Boundary-value problems for ordinary differential equations with discontinuous coefficients. 483: On the theory of second-order parabolic equations with discontinuous coefficients.
- Namboodiri, N. Krishnan. 1984: (with Kish, Leslie and Pillai, R. Krishna) The ratio bias in surveys.
- Namiki, Mikio. 5639: A formulation of stochastic processes in Brownian motions and noises.
- Namioka, I. 1890: Maps of pairs in homotopy theory. 5579: (with Browder, William) H -spaces with commutative homology rings.
- Namyłowski, Józef. 7409: The Dirac equation in general relativity in the vierbein formalism.
- Nanda, M. 542: The summability (L) of the Fourier series and the first differentiated Fourier series.
- Nanda, R. S. 5835: On the three dimensional flow of certain non-Newtonian liquids.
- Napolitano, Luigi G. 7291: Strato limite turbolento in magnetofluidodinamica.
- Nara, Hisashi. 4762: (with Morita, Akira and Azuma, Masayoshi) Theory of impurity levels.
- Narain, Roop. 1705: The G -functions as unsymmetrical Fourier kernels. I. 2796: The G -function as unsymmetrical Fourier kernels. II. 6762: The G -functions as unsymmetrical Fourier kernels. III.
- Narasimha Murthy Rao, K. 6643: Remarks on a series of Ramanujan.
- Narasimhan, Mudumbai S. 6819: (with Kotaka, Takeshi) Regularity theorems for fractional powers of a linear elliptic operator.
- Narasimhan, Raghavan. 6438: Imbedding of holomorphically complete complex spaces. 6439: The Levi problem for complex spaces.
- Narayana, T. V. 3624: An analogue of the multinomial theorem.
- Nariai, Hidekazu. 4787: (with Kimura, Toshio) On the canonical formalism of the gravitational field in the expanding universe.
- Nariboli, G. A. 3126: The propagation and growth of sonic discontinuities in magneto-hydrodynamics.
- Narita, Masao. 3734: A note on the coefficients of Hilbert characteristic functions in semi-regular local rings.
- Narkiewicz, W. 110: On polynomial transformations. 4987: On polynomial transformations. II. 6155: Remark on rational transformations.
- Narlikar, J. V. 3508: (with Hoyle, F.) Mach's principle and the creation of matter.
- Nash, John = Nash, John F., Jr.
- Nash, John F., Jr. 6390: Le problème de Cauchy pour les équations différentielles d'un fluide général.
- Nasibov, S. M. 6718: Unique continuation of the solution of a class of non-linear integral equations in which the parameter and its conjugate appear non-linearly.
- Nata, P. 5867: (with Gallina, V.; Bianchi, L. and Viano, G.) On the three-body Green's function for S -states.
- Natanson, I. P. 6309: ★Theory of functions of a real variable. Vol. II.
- Nauryzbaev, K. S. 4054: On a sufficient criterion for stability.
- Nawrotzki, Kurt. 4381: Eine Monotonieeigenschaft zufälliger Punktfolgen.
- Naylor, Derek. 1710: On a Mellin type integral transform. 4127: On a finite Lebedev transform. 4598: A non-linear hypersonic shock problem.
- Nazarenko, T. I. 7171: On the numerical solution of the Cauchy problem for a class of linear integro-differential equations of Volterra type.
- Nazarov, I. M. 5666: (with Berljand, O. S. and Prossman, A. Ja.) ν erfodistribution or mixed Gauss-Poisson distribution.
- Nazarova, L. A. 6278: (with Roiter, A. V.) Integral representations of a symmetric group of third degree.
- Nečas, Jindřich. 443: On the regularity of solutions of second-order elliptic partial differential equations with an unbounded Dirichlet integral.
- Neděporuk, Ě. I. 1232: On the synthesis of \mathfrak{N} -circuits.
- Nedžulikite, Ě. 2613: (with Strelc, Š.) On the rate of convergence to zero of the partial sums of the Taylor's series of an entire function.
- Negi, Janardan G. 4629: Diffraction of electromagnetic waves by an inhomogeneous sphere.
- Negoescu, Niclae. 1283: Méthode de Borel pour le problème des approximations asymétriques.
- Nehari, Zeev. 2684: On an inequality of Lyapunov.
- Neigauz, M. G. 3965: (with Lidskii, V. B.) On the screw method in the case of a second-order self-adjoint system. 2024: (with Baklanovskaja, V. F. and Kutasov, A. D.) Numerical determination of the quasi-stationary solution of a system of one-dimensional parabolic equations.
- Neimark, F. A. 388: On the deficiency index of a differential operator.
- Neimark, Ju. I. 1584: The relation between small changes in a system of differential equations and the corresponding point mapping.
- Neisser, Hans. 3511: Equilibrium dynamics, behavior dynamics, stability of movement.
- Nekrasov, F. M. 5933: Initial stage in the development of a perturbation in a plasma in an external magnetic field.
- Nelson, R. J. 3224: (with Bose, R. C.) A sorting problem.
- Nemčinov, S. V. 1199: On the Green's function in the boundary problem of atmospheric pressure field prognosis. 5742: Solution by a non-iteration method of boundary-value problems for partial differential equations with periodic boundary conditions.
- Nemhauser, George L. 1204: (with Hardgrave, William W.) On the relation between the traveling-salesman and the longest-path problems.
- Nemyckii, V. V. 1548: Some methods of studying globally the characteristics of the equation $dy/dx = Q(x, y)/P(x, y)$.
- Nerode, A. 1251: Arithmetically isolated sets and nonstandard models.
- Nérón, A. 6176: Réduction des variétés abéliennes.
- Nersesjan, A. B. 4144: Expansion in eigenfunctions of some non-self-adjoint boundary value problems. 4111: (with Džrbaljan, M. M.) Expansions in certain biorthogonal systems and boundary-value problems for differential equations of fractional order.
- Nesterov, S. V. 2670: (with Rabinovič, Ju. L.) General form of the linear differential equations whose order is reduced by the generalized differentiation operator D^{α} .
- Nettleton, R. E. 1146: Invalidity of Meixner's theorem in irreversible thermodynamics. 2277: Irreversible processes in liquids and the density matrix: monatomic molecules.
- Neuber, H. 4532: Die belastete Parabelkerbe.
- Neuberger, J. W. 5113: An analyticity condition.
- Neuer, H. 3384: (with Urban, P.) Nichtrelativistische Näherungen der Diragleichung.
- Neugebauer, C. J. 1400: Darboux functions of Baire class one and derivatives. 2555: A class of functions determined by dense sets. 6315: Darboux property for functions of several variables.
- Neuman, F. 6495: Sur les équations différentielles linéaires du second ordre dont les solutions ont les racines formant une suite convexe.
- Neumann, B. H. 5040: Twisted wreath products of groups. 3763: (with Wiegold, James) On certain embeddability criteria for group amalgams.
- Neumann, Maria. 1785: Le système axiomatique de la géométrie affine plane d'incidence.
- Neumann, Peter G. 4845: Encoding and decoding for cyclic permutation codes.
- Neustadt, Lucien W. 2707: Minimum effort control systems. 4861: Time optimal control systems with position and integral limits. 6014: Discrete time optimal control systems.
- Neuwirth, Lee. 4329: A topological classification of certain 3-manifolds. 6059: On Stallings fibrations. 5566: A remark on knot groups with a center.
- Nevanlinna, Rolf. 1274: Remarks on complex and hypercomplex systems.
- Nevanlinna, Veikko. 2416: Über den elementaren Beweis des Primzahlsatzes.

- Novglijadov, V. G. 4713: The quantum theory of a rotating and deformable particle.
- Novglijadov, V. G. = Novglijadov, V. G.
- Newell, G. F. 5978: Theories of instability in dense highway traffic. 7006: Distribution for the smallest distance between any pair of k th nearest neighbor random points on a line.
- Newman, D. J. 98: A simplified proof of the partition formula. 4379: The distribution function for extreme luck. 2805: (with Lorch, Lee) On the $[F, d_n]$ summation of Fourier series. 6371: (with Shapiro, Harold S.) The Taylor coefficients of inner functions.
- Newman, Ezra T. 5947: (with Tamburino, Louis A.) Empty space metrics containing hypersurface orthogonal geodesic rays. 5946: (with Unti, Theodore W. J.) Behavior of asymptotically flat empty spaces.
- Newman, J. N. 5197: (with Frank, W.) An integral containing the square of a Bessel function.
- Newman, M. F. 6232: (with Hulanicki, A.) Existence of unrestricted direct products with one amalgamated subgroup. 5979: (with Kovács, L. G.) Direct complementation in groups with operators.
- Newman, Morris. 41: Multipliers of difference sets. 231: A note on modular groups. 1371: Some free products of cyclic groups. 3876: Modular forms whose coefficients possess multiplicative properties. II. 7139: Matrix computations. 5000: (with Hall, Marshall, Jr.) Copositive and completely positive quadratic forms. 5966: (with Marcus, Marvin) The sum of the elements of the powers of a matrix. 1366: (with Smart, J. R.) Note on a subgroup of the modular group. 6265: (with Smart, J. R.) Modular groups of $t \times t$ matrices. 6264: (with Fell, Harriet and Ordman, Edward) Tables of genera of groups of linear fractional transformations.
- Newman, P. 1202: Viability and stability in linear models.
- Newton, Roger G. 7352: (with Desai, Bipin R.) Angular momentum poles of the nonrelativistic S matrix for spin 1/2 particles. 7353: (with Desai, Bipin R.) Representations of the S matrix in terms of its angular momentum poles.
- Ney, Andrei. 1650: Sur le cas d'indétermination du critère de convergence de d'Alembert.
- Ney, P. E. 827: (with Joffe, A.) Convergence theorems for multiple channel loss probabilities.
- Neyman, Jerzy. 5966: (with Scott, Elizabeth L.) Contribution to the study of the abundance of multiple galaxies. 1236: (with Szegő, Gabor; Loewner, Charles; Bergman, Stefan; Schiffer, Menahem Maz; Gilbarg, David and Solomon, Herbert; co-editors) ★Studies in mathematical analysis and related topics: Essays in honor of George Pólya.
- Nguen, Kan Toan. 1789: Involution n -aire.
- Nguyễn-Cánh-Toàn = Nguen, Kan Toan.
- Nguyễn-Dinh-Hngoc. 1885: Sur la suite exacte de cohomologie non abélienne. 1886: Cohomologie non abélienne et classes caractéristiques.
- Nickel, Karl. 4056: Gestaltaussagen über Lösungen parabolischer Differentialgleichungen. 5822: Die Prandtlischen Grenzschicht-differentialgleichungen als asymptotischer Grenzfall der Navier-Stokeschen und der Eulerschen Differentialgleichungen.
- Nicolescu, Miron. 1417: Les opérations élémentaires avec les fonctions mesurables. 2574: Sur les moyennes généralisées successives d'une fonction.
- Nidditch, P. H. 6042: ★Propositional calculus.
- Niemeyer, Horst. 4053: Lokale und asymptotische Eigenschaften der Lösungen der Helmholtzschen Schwingungsgleichung.
- Nieminen, Irja. 1077: Generalized singular functions in lower Lorentz spaces.
- Nigam, Ishwar Sharan. 2955: Intersector net of a ϕ -congruence.
- Nijenhuis, Albert. 6092: (with Woolf, William B.) Some integration problems in almost-complex and complex manifolds.
- Nikodym, Otto Martin. 5120: Summation of fields of numbers in Boolean tribes. I. Auxiliary notions and theorems.
- Nikol'skii, S. M. 630: Boundary properties of differentiable functions of several variables. 2564: Concerning inequalities between partial derivatives. 2711: Uniqueness of the solution of a boundary-value problem for a convex domain. 2854: Imbedding theorems for classes of differentiable functions of several variables. 4167: A series of reports on imbedding, extension and approximation theorems for differentials of functions of several variables. 6338: Corri-
- endum to the paper "Properties of certain classes of functions of several variables on differentiable manifolds". 6757: Imbedding, continuation and approximation theorems for differentiable functions of several variables. 6826: A representation theorem for a class of differentiable functions of several variables in terms of entire functions of exponential type.
- Nikulin, N. A. 2930: Rational transformations and the theory of algebraic curves.
- Binomiya, Nobuyuki. 2632: Sur le problème du balayage généralisé. 2633: Sur un principe du maximum dans la théorie du potentiel.
- Nirenberg, Louis. 1618: Comments on elliptic partial differential equations.
- Nishida, Toshio. 3132: On the multiple exponential channel queuing system with hyper-Poisson arrivals.
- Nishimura, Hisa. 2618: (with Kornatu, Yūsaku) On asymptotic behavior of analytic functions regular in a strip.
- Nishimura, Iwao. 25: On formulas of one variable in intuitionistic propositional calculus.
- Nishimura, Toshio. 143: On the V -ideal of an integral domain. 144: On the V -module of a module. 145: On the V -ideal of an integral domain. III. 6195: On the V -ideal of an integral domain. IV.
- Nishine, Toshio. 5184: Sur les ensembles pseudoconcaves. 6441: Sur les familles de surfaces analytiques.
- Nishiura, Togo. 291: A note on a lemma of Fullerton. 6359: The Gööcze k -area and flat mappings.
- Nisio, Makiko. 7020: Remarks on the canonical representation of strictly stationary processes.
- Nitsche, Johannes C. C. 6657: Über die Abhängigkeit der Tschebyscheffschen Approximierenden einer differenzierbaren Funktion vom Intervall.
- Niukkanen, A. V. 5914: (with Aleksandrov, I. B. and Kuharenko, Ju. A.) The kinetic equation of quantum statistical mechanics.
- Niven, Ivan. 6120: ★Diophantine approximations.
- Niknik, L. P. 1618: A priori inequalities for certain differential operators with continuous coefficients.
- Nöbauer, W. 141: Die Operation des Einsetzens bei rationalen Funktionen. 1335: Einige Bemerkungen über die Tscheirnhausse Transformation von Polynomidealen. 3729: Derivationssysteme mit Kettenregel. 6325: Gruppen von linear gebrochenen Permutationen mod n . 3633: (with Philipp, Walter) Über die Einfachheit von Funktionenalgebren.
- Noble, B. 2842: The solution of Bessel function dual integral equations by a multiplying-factor method. 5199: Some dual series equations involving Jacobi polynomials. 1483: (with Bartlett, C. C.) A derivation of certain variational principles for mixed boundary value problems in potential theory.
- Noël, Guy. 125: Transformations pseudo-hermitiennes d'un vectoriel pseudo-unitaire. II.
- Noguchi, Hiroshi. 1869: The thickening of combinatorial n -manifolds in $(n+1)$ -space.
- Noh, W. F. 3205: (with Protter, M. H.) Difference methods and the equations of hydrodynamics.
- Noheil, J. A. 2838: Some problems in nonlinear Volterra integral equations. 5390: (with Levin, J. J.) On a system of integro-differential equations occurring in reactor dynamics. II.
- Noll, Walter. 932: Motions with constant stretch history.
- Nomura, Yasutoshi. 6230: On the homotopy theory of modules.
- Norden, A. P. 6869: On a class of minimal surfaces of 4-space.
- Nordgren, R. P. 3271: (with Naghdi, P. M.) On the nonlinear theory of elastic shells under the Kirchhoff hypothesis.
- Nordvedt, Kenneth. 3496: (with Pagels, Heinz) Electromagnetic plane wave solutions in general relativity.
- Norguet, François. 5592: (with Frenkel, Jean) Sur la cohomologie à coefficients complexes des variétés de Stein.
- Norkin, S. B. 436: Oscillatory solutions of a linear, homogeneous second-order differential equation with retarded argument. 4004: On a boundary problem of Sturm-Liouville type for a second-order differential equation with a retarded argument.
- Norman, C. W. 4356: Homotopy loops.
- Norman, Edward. 6549: (with Wei, James) Lie algebraic solution of linear differential equations.

- Norman, G. E. 2167: A basis for the quantum defect method.
- Noronha Galvão, M. L. 3747: Sur les idéaux réguliers d'un semianneau.
- Northcott, D. G. 120: Specialization of polynomial ideals and their zeros. 3727: A note on ideals which are saturated with respect to a specialization. 3728: A homological investigation of a certain residual ideal. 161: (with Eagon, J. A.) Ideals defined by matrices and a certain complex associated with them. 2460: (with Eagon, J. A.) A note on the Hilbert functions of certain ideals which are defined by matrices.
- Norton, Karl K. 4950: Remarks on the number of factors of an odd perfect number.
- Norton, R. Van. See Van Norton, R.
- Nosanow, Lewis H. 3381: Metastable states in strongly coupled quantum systems with continuous spectra.
- Novák, J. 4304: (Scientific Editor) ★General topology and its relations to modern analysis and algebra.
- Novik, A. S. 885: (with Šamanskij, V. E.) On the approximation of functions of several variables by the method of least squares.
- Novikov, A. P. 1305: On the class number of fields with complex multiplication.
- Nevikov, S. P. 1901: Homotopy properties of the group of diffeomorphisms of the sphere.
- Novoselov, V. S. 7200: Extremal character of the Euler-Lagrange principle in non-holonomic mechanics.
- Novotný, Miroslav. 2367: Über Kardinalprodukte.
- Novodilov, Ju. V. 1120: Axiomatic theory of symmetry properties of elementary particles.
- Nowacki, W. 2081: Ausbreitung der Wärmespannungen in visko-elastischen Körpern. 4574: (with Ignaczak, Józef) The Sommerfeld radiation conditions for coupled problems of thermoelasticity. Examples of coupled stress and temperature concentration at cylindrical and spherical cavities.
- Nowik, I. 4704: Influence of a resonant absorber whose thickness varies linearly with time on the spectral shape of an incident Lorentzian wave packet.
- Nozières, P. 7366: ★Le problème à N corps. Propriétés générales des gaz de fermions.
- Nugyre, J.-B. 4485: Un procédé mixte (Runge-Kutta, pas liés) d'intégration des systèmes différentiels du type $\dot{x} = X(x, t)$.
- Numakura, Katsumi. 138: Theory of compact rings. III. Compact dual rings.
- Núñez-Lagos, R. 1098: (with Cheng, Hung) The uniqueness of the analytic continuation of partial wave amplitude in the complex plane of the angular momentum.
- Nunke, R. J. 2503: Slender groups. 5053: A note on Abelian group extensions.
- Nussenzveig, H. M. 1051: Soluble model of a break-up process.
- Nuttall, Albert H. 4843: Error probabilities for equicorrelated M -ary signals under phase-coherent and phase-incoherent reception.
- Nyborg, P. 2951: Macroscopic motion of classical spinning particles.
- Oates, Sheila. 5043: Identical relations in groups.
- Öba, R. 962: Linearized theory of supercavitating flow through an arbitrary form hydrofoil.
- Oberdorfer, G. 4519: Sonderbehandlung der Einsgrößen in Ansehung ihrer Grenzstellung zwischen Größen und reinen Zahlen.
- Oberman, Carl. 7386: (with Ron, Amiram and Dawson, John) High-frequency conductivity of a fully ionized plasma.
- Oberschelp, Arnold. 3590: Eine Bemerkung über den Kalkül des natürlichen Schließens.
- Obreškov, N. 1657: On double series which are absolutely summable by arithmetic means. 6369: Certain properties of polynomials having only real zeros. 7148: On the numerical solution of equations by means of quadratic equations.
- Obretenov, Anostol. 4392: On the strong law of large numbers.
- Odeh, Farouk. 2251: Uniqueness and existence of the solution to the static London-Maxwell equations in two dimensions.
- Oeconomidis, Nicolas. 2764: Quelques propositions sur les suites de fonctions. 4318: Sur la continuité de la fonction inverse d'une fonction. 6931: Sur la distance de deux ensembles, situés dans un espace métrique.
- Oehme, R. 1093: Regge poles in relativistic Schrödinger theory. 1094b: Moving poles and elementary particles. 5890: (with Freund, Peter G. O.) Lower bound for the leading Regge trajectory. 1094a: (with Tirkopoulos, G.) Complex angular momentum in relativistic dispersion theory.
- Oestill, W. 4817: (with Kinzi, H. P.) Nichtlineare Programmierung.
- Ogawa, Hisasi. 3735: On derived groups of normal simple algebras.
- Ogawa, Junjiro. 7112: On a unified method of deriving necessary conditions for existence of symmetrical partially balanced incomplete block designs of certain types. 7089: (with Pasternack, Bernard S.) Stochastic bounds of the " F " statistic when data are incomplete one-way classification.
- Ogawa, Shōtarō. 6395: Some criteria for univalence.
- Ogawa, Yosuke. 4295: (with Hatakeyama, Yoji and Tanno, Shukichi) Some properties of manifolds with contact metric structure.
- Ogieveckil, I. I. 518: The theory of summing series by Borel's method.
- Ogieveckil, V. I. 5900: (with Polubarinov, I. V.) On the meaning of gauge invariance.
- Ogieveckil, V. I. = Ogieveckil, V. I.
- Ogimoto, Takeshi. 2226: Relations among pole-residues of scattering amplitudes in multi-channel scattering. 5872: (with Kanki, Takeshi) Restriction on the coupling constant from analyticity and unitarity of the S -matrix.
- Oguchi, Kunio. 3063: 2-primary components of the homotopy groups of spheres. 3064: 2-primary components of the homotopy groups of some Lie groups.
- Öğütörenli, M. Namik. 6471: Remarques sur un théorème de MM. Hartman et Winter.
- Ohba, Sachio. 2568: Some remarks on compactness of measure-spaces.
- Ohji, Michio. 978: On four-point dynamical equations in homogeneous turbulence. 3323: A note on the hypothesis of zero fourth-order cumulants in homogeneous turbulence.
- Ohm, Jack. 4494: Algebraic cones with linear vertex.
- Ohisuka, Makoto. 1487: Some examples in potential theory.
- Ohya, Yujiro. 5295: Existence des solutions de classe supérieure dans les équations différentielles faiblement hyperboliques à coefficients variables.
- Okano, Hatsuo. 511: Une nouvelle méthode pour considérer la série comme une intégrale. I. 2579: Sur une généralisation de l'intégrale (E.R.) et un théorème général de l'intégration par parties. 3869: Une généralisation d'un théorème de Fatou concernant l'intégrale de Poisson. 4305: Sur les convergences dans l'espace rangé.
- Oki, Toshi. 2315: (with Fujimoto, Mitsuaki and Hitotuyanagi, Zyuiti) Magnetogravitational theory of galaxy.
- Okumura, Masafumi. 706: On some types of connected spaces with concircular vector fields. 708: Some remarks on space with a certain contact structure. 4294: On infinitesimal conformal and projective transformations of normal contact spaces. 723: (with Tachibana, Shun-ichi) On the almost-complex structure of tangent bundles of Riemannian spaces.
- Okuyama, Akihiko. 5542: On spaces with some kinds of open coverings. 5537: (with Hanai, Sutiro) On pseudocompactness and continuous mappings.
- Oláh, Gyula. 2455: Generalizations of the determinant of Smith.
- Olds, C. D. 3672: ★Continued fractions.
- Olech, C. 5347: On the existence and uniqueness of solutions of an ordinary differential equation in the case of Banach space. 5248: On the global stability of an autonomous system on the plane. 2687: (with Hartman, Philip) On global asymptotic stability of solutions of differential equations. 1471: (with Meisters, G. H.) Locally one-to-one mappings and a classical theorem on schlicht functions. 5249: (with Mlak, W.) Integration of infinite systems of differential inequalities.
- Oleinikov, V. A. 1285: The transcendence and algebraic independence of the values of certain E -functions. 1334: Some properties of algebraically dependent quantities.
- Olevskii, A. M. 4110: Orthogonal series in terms of complete systems. 5347: Divergent Fourier series.
- Olevskii, M. N. 6620: On the Cauchy problem for an iterated linear differential-operator equation.
- Oliphant, Thomas A. 909: An extrapolation procedure for solving linear

- systems. 2000: A note on extrapolation procedures for solving linear systems.
- Olive, D. I. 1163: Unitarity and the evaluation of discontinuities. de Oliveira, J. Tiago. See Tiago de Oliveira, J.
- Olszak, W. 7243: (with Rychlewski, J. and Urbanowski, W.) Plasticity under non-homogeneous conditions.
- Olubummo, A. 2398: Operators of finite rank in a reflexive Banach space. 5433: Monotone semi-groups of bounded operators.
- Olver, F. W. J. 5190: ★Tables for Bessel functions of moderate or large orders.
- Omarov, E. O. 1596: Almost periodic solutions of linear partial differential equations with constant coefficients with a free term.
- Onat, E. T. 4563: On a variational principle in linear viscoelasticity.
- O'Neil, Richard. 4193: Convolution operators and $L(p, g)$ spaces.
- O'Neill, Barrett. 721: Isometric immersions which preserve curvature operators.
- Onesti, Natalia Berruti. See Berruti Onesti, Natalia.
- Onicescu, Octav. 923: Les axiomes de la mécanique du point matériel. 1642: Matrices caractéristiques et équations aux différences. 1937: On the restricted (simple) random walk. 2286: Univers antiminkowskien. 5132: Un théorème ergodique. 5617: Sur les équations de la théorie des probabilités. 6725: Quelques théorèmes sur les vecteurs-somme. 7001: ★Random numbers and systems.
- Oniščik, A. L. 3829: Semi-simple decompositions of semi-simple Lie algebras.
- Ono, Katsuji. 36: A theory of mathematical objects as a prototype of set theory. 3590: On a practical way of describing formal deductions.
- Ono, Syu. 4757: (with Kondo, Sohei) Molecular theory of surface tension in liquids.
- Ono, Takashi. 2507: Correction to "An identification of Suzuki groups with groups of generalized Lie type".
- One, Tamio. 2893: Local theory in function analysis.
- Onuchic, Nelson. 462: Applications of the topological method of Wazowski to certain problems of asymptotic behavior in ordinary differential equations. 6930: On the Nachbin uniform structure.
- Oodaira, Hiroshi. 7013: (with Kallianpur, Gopinath) The equivalence and singularity of Gaussian measures.
- Oort, F. 1320: A note on rationality of divisor classes on algebraic schemata (separable case). 3755: A note on natural maps of higher extension functors.
- Opial, Z. 6524: (with Lasota, A.) L'application du principe de Pontryagin à l'évaluation de l'intervalle d'existence et d'unicité des solutions d'un problème aux limites.
- Oppenheim, Antoni K. 7270: (with Stern, Raul A.) Les caractéristiques fondamentales de la propagation des ondes dans les milieux réactifs.
- O'Reilly, L. 4292: Riemannian spaces of N dimensions, which contain Fermi subspaces of $N - 1$ dimensions.
- Ordnung, Edward. 6264: (with Foll, Harriet and Newman, Morris) Tables of genera of groups of linear fractional transformations.
- Ore, Øystein. 4336: Hamilton connected graphs.
- Orey, Steven. 3116: Changes of time scale for Markov processes. 3117: An ergodic theorem for Markov chains. 3608: Relative interpretations. 2361: (with Feferman, S. and Kreisel, G.) 1-consistency and faithful interpretations. 514: (with Garsia, A. M. and Rodemich, E.) Asymptotic behavior of successive coefficients of some power series.
- d'Orgeval, B. 665: Sur certains ($k, 3$)-arcs en géométrie de Galois.
- Orlicz, W. 5306: A note on modular spaces. IV. 6750: (with Matuszewski, W.) A note on the theory of s -normed spaces of φ -integrable functions. 1655: (with Musielak, J.) On modular spaces of strongly summable sequences.
- Orloff, C. 513: Geometrical theory of series.
- Ornstein, Donald S. 3872: On invariant measures. 6821: A non-inequality for differential operators in the L_1 norm.
- Oroško, Ju. B. 2880: (with Berezanski, Ju. M.) A remark concerning the growth of eigenfunctions of self-adjoint operators.
- Orsatti, Adalberto. 1388: Sulle traslazioni in un ipergruppo additivo.
- Ortiz, E. L. 1699: (with Cotlar, M.) On some inequalities of potential operators.
- Orts Aracil, D. José M. 4961: A conjecture concerning Fermat's last theorem.
- Osada, J. 1064: (with Hama, Y. and Taki, M.) Ghost scatterings.
- Osaka, Yukio. 2268: (with Abe, Yutaka and Morita, Akira) Collective excited states and dielectric constant in insulators.
- Osborn, R. K. 1167: (with Klevans, E. H.) Photon transport theory.
- Osborne, E. E. 893: On pre-conditioning of matrices.
- Oser, Hansjörg. 4564: (with Marvin, Robert S.) A model for the viscoelastic behavior of rubberlike polymers including entanglement effects.
- Ospov, I. O. 3281: Rayleigh waves at the interface of two media with cubic anisotropy.
- Oskolkov, A. P. 6570: Differential properties of bounded generalized solutions of quasi-linear systems of variational type.
- Ossicini, Alessandro. 2660: Sui coefficienti di Gegenbauer-Stieltjes di una funzione non decrescente. 6459: Nuova formula asintotica per i polinomi di Laguerre. 6461: Nuova formula asintotica per i polinomi di Jacobi.
- Ossipov, I. O. 2077: Reflection and refraction of plane elastic waves at the boundary of a liquid and solid anisotropic body.
- Ostianu, N. M. 6883: Reduction to canonical form of a moving frame of an imbedded manifold.
- Ostrom, T. G. 664: Translation planes and configurations in Desarguesian planes. 2939: Homomorphisms of finite planar half-loops.
- Ostrowski, I. V. 6417: Deficiencies of meromorphic functions of order less than one.
- Ostrow, E. 6326: (with Bruckner, A. M.) Some function classes related to the class of convex functions.
- Ostrowski, A. M. 2586: On an inequality of J. Vicente Gonçalves. 6187: On positive matrices. 124: (with Schneider, Hans) Some theorems on the inertia of general matrices.
- Oswatitsch, Klaus. 7272: Die Wellenausbreitung in der Ebene bei kleinen Störungen.
- Ostrokov, N. F. 401: On the existence of separatrices going from saddle to saddle.
- Ōtsuki, Tominosuke. 1824: On general connections. II. 1825: General connections $\Delta\Gamma\Delta$ and the parallelism of Levi-Civita. 6896: A note on metric general connections. 6897: On curvatures of spaces with normal general connections. I.
- Ovsjanikov, L. V. 264: ★Group properties of differential equations. 2714: Infinite groups of mappings defined by differential equations.
- Owen, D. B. 4446: (with Steck, G. P.) A note on the equicorrelated multivariate normal distribution.
- Ozawa, Misuru. 1440: Szegő kernel function on some domains of infinite connectivity. 1441: A supplement to "Szegő kernel function on some domains of infinite connectivity". 1478: On the growth on minimal positive harmonic functions in a plane region. 3895: Linear mappings among the function classes on Riemann surfaces.
- Paašche, Ivan. 1266: Zu einer Identität von Perron.
- Pachner, J. 4796: Allgemeine Relativitätstheorie zur Zeitdilatation bei beschleunigter geradliniger Bewegung.
- Page, E. S. 5977: An approach to the scheduling of jobs on machines.
- Page, Ellis Batten. 3152: Ordered hypotheses for multiple treatments: a significance test for linear ranks.
- Pagels, Heinz. 3496: (with Nordtvedt, Kenneth) Electromagnetic plane wave solutions in general relativity.
- Pagni, Mauro. 5422: Sulle tracce di una certa classe di funzioni.
- Pahareva, N. A. 2626: (with Virčenė, N. A.) Some integral transformations in the class of s^2 -analytic functions.
- Pai, M. A. 6627: (with Jury, E. I.) Convolution z-transform method applied to certain nonlinear discrete systems.
- Pai, S. I. 5837: Some considerations on radiation magnetogasdynamics. 7245: (with Dinz, J. B., co-editor) ★Fluid dynamics and applied mathematics.
- Pajevensky, B. 7468: Time optimal control of linear systems with bounded controls.
- Pais, Abraham. 5902: On spinors in n dimensions.
- Pak, I. N. 6675: Some results on properties of functions defined by trigonometric series with monotonely decreasing coefficients.

- Pak, S. A. 3674: Sign-preserving condition for the Green's function of a Sturm-Liouville problem.
- Pakshirajan, R. P. 3107: On the continuity points of stochastic processes taking values in a metric space. 4953: Some properties of the class of arithmetic functions $T_s(N)$. 7115: (with Chitgopekar, S. S.) A note on a test procedure with a sample from a normal population when an upper bound to the standard deviation is known.
- Pál, László György. 2767: On a problem in the theory of series.
- Palacios, Julio. 4777: The relativistic behaviour of clocks.
- Palais, R. S. 6301: (with Richardson, R. W., Jr.) Uncountably many inequivalent analytic actions of a compact group on R^n .
- Palamodov, V. P. 1598: A general form for the solutions of differential equations with constant coefficients.
- Palant, Ju. A. 1737: A test for the completeness of a system of eigenvectors and adjoint vectors of a polynomial bundle of operators. 4184: (with Macneac, V. I.) On the powers of a bounded dissipative operator.
- Palasti, Ilona. 1872: On the distribution of the number of trees which are isolated subgraphs of a chromatic random graph. 1873: Threshold functions for subgraphs of given type of the bichromatic random graph. 4466: On some random space filling problems.
- Paleníčka, M. A. 1609: The complete continuity of an operator and its application.
- Pall, Gordon. 91: (with Cohn, Harvey) Sums of four squares in a quadratic ring.
- Palu de la Barrière, Robert. 6327: Sur la méthode des multiplicateurs.
- Palman, Dominik. 1794: Über nichteuklidische Schraubungen. I.
- Pan, H. H. 3252: Non-linear deformation of a flexible ring. 5798: Stresses in a long hollow cylinder subjected to a band of uniform pressure on the outer surface.
- Pana, Štefan. 3045: A study of the topology of dipoles. I. 3046: A study of the topology of dipoles. II.
- Pandey, R. C. 367: On certain hypergeometric transformations.
- Pandey, S. N. 7430: Photon fluid models in relativistic cosmology. 3500: (with Rao, J. Krishna) Some relativistic fields of electromagnetic and gravitational radiation.
- Pandž, Štefan = Pana, Štefan.
- Paneyah, B. P. 454: Existence and uniqueness of the solution of the n -metaharmonic equation on an unbounded space.
- Panić, O. I. 7254: Solution by the method of potentials of a system of Oseen equations for steady-state flow about a plane contour of a viscous incompressible fluid. II. 7255: Solution by the method of potentials of a system of Oseen equations for steady-state flow of a viscous incompressible fluid around a plane contour. III.
- Pankauskaitė, A. 2763: On regular sequences.
- Pan'kin, N. A. 7194: The oscillation of a mass point of variable mass.
- Panteleeva, I. N. 3335: (with Aleksenko, I. I. and Baranov, R. G.) The method of transverse approximation in hypersonic aerodynamics.
- Pao, Yih-Hsing. 7230: (with Mow, C. C.) Scattering of plane compressional waves by a spherical obstacle.
- Paoluzzi, Gino. 2048: Sul contenuto fisico del principio dei lavori virtuali.
- Pap, Arthur. 2349: An introduction to the philosophy of science.
- Papadopoulos, Michael. 7232: The elastodynamics of moving loads. I. The field of a semi-infinite line load moving on the surface of an elastic solid with constant supersonic velocity.
- Papakyriopoulos, C. D. 3027: A reduction of the Poincaré conjecture to group theoretic conjectures. 5548: A reduction of the Poincaré conjecture to other conjectures. 6943: A reduction of the Poincaré conjecture to other conjectures. II.
- Papamichail, D. 7067: Quelques séries convergentes dont les termes sont fonctions- Γ , une méthode probabiliste pour les sommer.
- Papapetrou, Achille. 3497: Une formule pour le rayonnement gravitationnel en première approximation. 4785: Zur Frage der Existenz von singulärfreien Lösungen der allgemein-relativistischen Feldgleichungen. III. 5948: (with Treder, Hansjürgen) Sur la non-existence de solutions statiques partout régulières en relativité générale. 5949: (with Treder, Hansjürgen) Le problème des solutions stationnaires partout régulières en relativité générale.
- Papić, P. 3012: (with Mardesić, S.) Diadio bicompacta and continuous mappings of ordered bicompacts.
- Papoulis, Athanasios. 548: ★The Fourier integral and its applications.
- Papue, Dan I. 2978: Sur les variétés des espaces kleinéens à groupe linéaire complètement réductible. 5514: Sur une classe de variétés des espaces Klein à groupe linéaire complètement réductible.
- Papy, G. 1247: ★Groups.
- Paranjape, B. V. 4768: (with Stewart, Benjamin U.) Role of electron-electron collisions in galvanomagnetic effects.
- Parasjuk, L. S. 442: Boundary-value problems for some self-adjoint second-order differential equations degenerate on the boundary of the region.
- Parasjuk, O. S. 7350: Hadamard's multiplication theorem and the analytical continuation of the two-particle unitarity condition.
- Parasyuk, O. S. = Parasjuk, O. S.
- Parisot, G. R. 5984: Les programmes logarithmiques—application au calcul des programmes convexes, spécialement linéaires.
- Park, S. 519: (with Laush, G.) Knopp's core theorem and subsequences of a bounded sequence.
- Parkes, E. W. 955: The stresses in an elastoplastic bar subjected to a sudden change of surface temperature.
- Parkin, Blaine R. 3302: Munk integrals for fully cavitated hydrofoils.
- Parks, J. R. 7233: (with Cooper, L.) The application of numerical integration to a problem in viscoelasticity.
- Parks, P. C. 1580: A new proof of the Routh-Hurwitz stability criterion using the second method of Liapunov.
- Parlange, J. Y. 1032: (with Chu, Boa-Teh) On the stability of laminar flame.
- Parnassikil, I. V. 658: On degenerate conformal geometries.
- Parodi, Maurice. 3379: À propos du problème de Landau-Montel. 6367: Sur une généralisation d'un résultat antérieur.
- Parry, W. 288: On the β -expansions of real numbers.
- Parry, W. E. 1125: (with ter Haar, D.) A further note on the poles of Green functions.
- Parry, William. 3195: Ergodic properties of some permutation processes.
- Pars, L. A. 5444: ★An introduction to the calculus of variations.
- Parsons, D. H. 1599: One-dimensional characteristics of partial differential equations, and generalizations of Monge's method. 5179: Contact transformations and Laplace's equation.
- Parzy, Fernand. 4568: (with Mandel, Jean) Surfaces caractéristiques des équations de l'équilibre plastique pour une courbe intrinsèque quelconque, lorsque les trois contraintes principales sont différentes.
- Parter, Seymour V. 665: On the eigenvalues of certain generalizations of Toeplitz matrices. 907: Some computational results on "two-line" iterative methods for the biharmonic difference equation. 908: The use of linear graphs in Gauss elimination. 4496: An observation on the numerical solution of difference equations and a theorem of Szegő. 5740: Stability, convergence, and pseudostability of finite-difference equations for an over-determined problem. 5755: "Multi-line" iterative methods for elliptic difference equations and fundamental frequencies. 6182: (with Youngs, J. W. T.) The symmetrization of matrices by diagonal matrices. 4417: (with Blum, J. R. and Hanson, D. L.) On a class of simple random walks.
- Parthasarathy, K. R. 6354: On the category of ergodic measures.
- Parzen, Emanuel. 841: On estimation of a probability density function and mode. 873: Extraction and detection problems and reproducing kernel Hilbert spaces. 874: An approach to time series analysis. 4450: Regression analysis of continuous parameter time series. 7119: Probability density functionals and reproducing kernel Hilbert spaces.
- Pascali, Dan. 1472: Monogénéité F et équation de Beltrami.
- Pask, Gordon. 6018: (with von Foerster, Heinz) A predictive model for self organizing systems.
- Pasaman, D. S. 2470: Nil ideals in group rings.
- Pasternack, Bernard S. 7069: (with Ogawa, Junjiro) Stochastic bounds of the " F " statistic when data are incomplete one-way classification.
- Pasternack, S. 4715: (with Sternheimer, R. M.) An orthogonality property of hydrogenlike radial functions.
- Pastor, Julio Rey. See Rey Pastor, Julio.
- Pastur, L. A. 7224: (with Kosevich, A. M.) A dislocation model of a twin. 7225: (with Kosevich, A. M.) Correction to the paper "Dislocation model of a twin". 7226: (with Kosevich, A. M.) Form of a thin twin inclined at an angle to the surface.

- Pazynkov, B. A. 1856: On the spectra and dimensionality of topological spaces. 2538: On the coincidence of various definitions of dimensionality for factor spaces of locally bicompact groups.
- Pazikowski, S. 2784: The theory of uniform approximation. I. Non-asymptotic theoretical problems. 5332: Approximation uniforme des fonctions continues par les fonctions rationnelles.
- Patalinskii, A. Z. 3427: Location of singularities of Feynman diagrams.
- Patel, M. S. 7111: Group-screening with more than two stages.
- Pathria, R. K. 1988: A statistical study of randomness among the first 10,000 digits of π . 7373: (with Kawatra, M. P.) Quantum statistical mechanics of a many-body system with several components.
- Patil, T. 5351: A generalization of a theorem of Wang on the summability of Fourier series. 6685: On the absolute Nörlund summability of the conjugate series of a Fourier series.
- Patil, G. P. 4434: On homogeneity and combined estimation for the generalized power series distribution and certain applications.
- Patkowska, H. 1855: On the decomposition of 2-dimensional ANR's into a Cartesian product.
- Patrick, Merrell L. 4978: (with Hansen, Eldon R.) Some relations and values for the generalized Riemann zeta function.
- Patterson, E. M. 151: On the radicals of rings of row-finite matrices.
- Patterson, J. D. 3462: Density matrix representations.
- Patty, C. W. 771: The fundamental group of certain deleted product spaces.
- Pawar, Kamini M. 7063: (with Mantel, Nathan) Interval estimation of single parametric functions.
- Paul, E. M. 4385: Density in the light of probability theory.
- Paul, E. W. 2646: Sums of series involving Bessel coefficients.
- Paul, Harry. 1946: Über quantenmechanische Zeitoperatoren.
- Paulson, Edward. 7113: A sequential decision procedure for choosing one of k hypotheses concerning the unknown mean of a normal distribution.
- Pauri, M. 5868: (with Ghirardi, G. C. and Rimini, A.) On the Levinson theorem in the multichannel case.
- Pavlikovskii, A. = Pawlikowski, A.
- Pavlov, S. D. 5243: Sur l'intégration de quelques systèmes d'équations linéaires aux dérivées partielles à l'aide des fonctions monogènes au sens de Fédoroff.
- Pavlovskii, Ju. N. 2715: Investigation of some invariant solutions of boundary-layer equations. 4589: Investigation of some invariant solutions of the equations of the boundary layer.
- Pawlowski, A. 5906: Separating a self-consistent field in a superfluid model of the nucleus.
- Payan, Jean-Jacques. 1368: Entiers des corps abéliens de degré 5.
- Payne, L. E. 471: Pointwise bounds in the Cauchy problem of elastic plates. 933: (with Bramble, J. H.) Some uniqueness theorems in the theory of elasticity. 4026: (with Bramble, J. H.) Bounds in the Neumann problem for second order uniformly elliptic operators. 7207: (with Diaz, J. B.) New mean value theorems in the mathematical theory of elasticity. 969: (with Pell, W. H.) On Stokes flow about a torus. 7230: (with Weinberger, H. F.) Some isoperimetric inequalities for membrane frequencies and torsional rigidity.
- Paz, Azaria. 4865: Homomorphisms between finite automata.
- Pearce, R. P. 3209: (with Mitchell, A. R.) On finite difference methods of solution of the transport equation.
- Pearce, Carl. 2451: A complete set of unitary invariants for 3×3 complex matrices. 3206: On convergence of alternating direction procedures. 5439: On unitary equivalence of matrices over the ring of continuous complex-valued functions on a Stonian space. 6816: A complete set of unitary invariants for operators generating finite W^* -algebras of type I. 5438: (with Deckard, Don) On matrices over the ring of continuous complex-valued functions on a Stonian space. 6774: (with Deckard, Don) Another class of invertible operators without square roots.
- Pease, M. C. 2343: Generalized coupled mode theory.
- Peeck, N. D. 5502a: (with Rozenfel'd, B. A. and Klimanova, T. M.) Projective theory of vectors. I. 5502b: (with Rozenfel'd, B. A. and Klimanova, T. M.) Projective theory of vectors. II.
- Peebles, J. = Peebles, P. J.
- Peebles, P. J. 3491: The Eötvös experiment, spatial isotropy, and generally covariant field theories of gravity. 7348: Description of particles in quantized field theory.
- Peersey, Carol. 2498: (with Irwin, John and Walker, Elbert) Splitting properties of high subgroups.
- Pestre, Jaak. 1610: A proof of the hypoellipticity of formally hypoelliptic differential operators. 4039: On estimating the solutions of hypoelliptic differential equations near the plane boundary. 4040: On the differentiability of the solutions of quasilinear partial differential equations.
- Peteris, R. E. 6032: An appreciation of Niels Bohr. 2244: (with Thouless, D. J.) Variational approach to collective motion.
- Petxoto, M. M. 426: Structural stability on two-dimensional manifolds. 6533: Structural stability on two-dimensional manifolds. A further remark.
- Pojas, W. 2910: Trägheitsatz und halbelliptische Bewegungsgruppen.
- Pelczyński, A. 4156: A note on the paper of I. Singer "Basic sequences and reflexivity of Banach spaces". 6785: Banach spaces on which every unconditionally converging operator is weakly compact. 2855: (with Bessaga, C.) On the topological classification of complete linear metric spaces. 4157: (with Bessaga, C. and Rolewicz, S.) Approximate dimension of linear topological spaces and some of its applications.
- Peleg, Bezalel. 1211: Solutions to cooperative games without side payments. 2333: Existence theorem for the bargaining set $M_1^{(1)}$.
- Pell, W. H. 969: (with Payne, L. E.) On Stokes flow about a torus.
- Pelzner, Eugeniusz. 7308: Theory of dipole antenna as a boundary problem.
- Penkov, B. 590: (with Sendov, Bl.) The s -entropy and s -capacity of the space of continuous functions.
- Penrose, Roger. 7397: Asymptotic properties of fields and spacetimes.
- Percus, J. K. 5925: (with Lebowitz, J. L.) Statistical thermodynamics of nonuniform fluids. 3394: (with Rotenberg, A.) Exact eigenfunctions of angular momentum by rotational projection.
- Perelman, M. E. 1042: (with Matinjan, S. G.) On the anomalous connection between spin and statistics.
- Perel'muter, G. I. 6137: On certain character sums.
- Peres, Asher. 2300: Electromagnetic radiation from a freely gravitating charge. 2301: Classical radiation recoil. 5954: On geometrodynamics and null fields. 7415: Electromagnetism, geometry, and the equivalence principle.
- Peressini, Anthony L. 579: A note on abstract (M) -spaces.
- Perez, Albert. 4428: L'expérience et l'information puisée dans elle à l'aide des lois limites de la théorie des probabilités.
- Pergel, József. 7617: An extension of Kolmogorov's fundamental theorem to conditional probability spaces.
- Periastri, M. 63: On the non-existence of odd perfect numbers of a certain form.
- Perkins, Peter. 4936: A theorem on regular matrices.
- Pershan, P. S. 3354: (with Bloembergen, N.) Light waves at the boundary of nonlinear media.
- Perzyna, P. 2080: The constitutive equations for rate sensitive plastic materials. 3284: Propagation of shock waves in non-homogeneous elastic-visco-plastic bodies.
- Peltmaldjian, D. V. 943: The non-linear theory of a circular plate.
- Péter, R. 19: Über die Verallgemeinerung der Rekursionsbegriffe für abstrakte Mengen als Definitionsbereiche. 3601: Über die Verallgemeinerung der Theorie der rekursiven Funktionen für abstrakte Mengen geeigneter Struktur als Definitionsbereiche. (Fortsetzung).
- Peterka, James J. 5768: A method for obtaining specific values of compiling-parameter functions.
- Peters, A. S. 5372: A note on the integral equation of the first kind with a Cauchy kernel.
- Petersen, G. M. 331: On functions with positive real part. 523: (with Dowidar, A. F.) Summability of subsequences. 1299: (with Dowidar, A. F.) The distribution of sequences and summability.
- Petersen, L. 2490: On forming the product of two permutable groups.
- Peterson, E. L. 4854: ★Statistical analysis and optimization of systems.
- Peterson, Franklin P. 4369: (with Brown, Edgar H., Jr.) Relations between Stiefel-Whitney classes of manifolds.
- Petrich, Mario. 1375: Semicharacters of the Cartesian product of two semigroups. 1376: Some theorems concerning the dual of a commutative semigroup. 5684: The maximal semilattice decomposi-

- tion of a semigroup. 6280: Idéaux demi-premiers et premiers du produit cartésien d'un nombre fini de demi-groupes.
- Petrina, D. Ja. 5889: Analytical properties of partial waves of scattering amplitude in excitation theory.
- Petrina, D. Ya. = Petrina, D. Ja.
- Petrov, N. N. 5240: Some sufficient conditions for the continuous dependence of the solution of a differential equation on a parameter.
- Petrov, V. V. 800: On some polynomials encountered in probability theory. 4396: Sharpening of a local limit theorem for non-identical lattice distributions.
- Petrova, L. T. 4510: On performing analytic calculations on machines with programmed regulation.
- Petrovanu, Dan. 5264: Sur le comportement des solutions de certains systèmes aux différentielles totales, complètement intégrables. 6554: Sur un théorème d'existence et unicité des solutions des systèmes aux différentielles totales, complètement intégrables.
- Petryahyn, W. V. 3180: Direct and iterative methods for the solution of linear operator equations in Hilbert space.
- Pettineo, Benedetto. 2755: Sul teorema dell'alternativa per talune equazioni funzionali.
- Petty, C. M. 3973: (with Barry, J. E.) A geometrical approach to the second-order linear differential equation.
- Peube, Jean-Laurent. 3305: Sur les conditions d'application de la loi de Poiseuille en régime variable. 3310: Sur certains régimes variables de l'écoulement laminaire d'un fluide incompressible entre deux plans parallèles.
- Pevzner, S. L. 1793: Properties of second-order curves in the Lobatchevsky plane which are dual under the focal directrix. 4231: A detailed classification of second-order irreducible curves in the Lobatchevsky plane by means of the focal-director invariants. 5464: Quadrics in a 3-dimensional non-Euclidean space of index 2. 6842: Invariants and canonical representations of quadrics in quasi-elliptic spaces.
- Pfanzagl, J. 4443: Überall treuscharfe Tests und monotone Dichtequotienten.
- Pfister, Albrecht. 353: Über das Koeffizientenproblem der beschränkten Funktionen von zwei Veränderlichen.
- Philberth, Bernhard. 5945: Le gradient de temps comme grandeur de base de la théorie de la relativité.
- Philipp, Walter. 3633: (with Nöbauer, Wilfried) Über die Einfachheit von Funktionenalgebren.
- Philipott, J. 4738: Irreversibility in interacting spin systems.
- Phillips, Melba. 5851: Classical electrodynamics.
- Phillips, R. C. 5547: Interval class with nondegenerate kernel.
- Phillips, R. S. 4195: Semi-groups of positive contraction operators. 457: (with Lax, Peter D. and Morawetz, Cathleen S.) The exponential decay of solutions of the wave equation in the exterior of a star-shaped obstacle.
- Pic, Gh. 1357: Une propriété des groupes FC-nilpotents.
- Pi Calleja, Pedro. 2552a: (with Rey Pastor, Julio and Trejo, César A.) ★Mathematical analysis. Vol. I: Algebraic analysis. Theory of equations. Infinitesimal calculus of one variable. 2552b: (with Rey Pastor, Julio and Trejo, César A.) ★Mathematical analysis. Vol. II: Infinitesimal calculus of several variables. Applications. 2552c: (with Rey Pastor, Julio and Trejo, César A.) ★Mathematical analysis. Vol. III: Functional analysis and applications.
- Picard, Philippe. 6621: Sur une classe de solutions de l'équation de diffusion des gênes. 6622: Sur l'équation de diffusion des gênes à deux variables d'espace.
- Pichon, Guy. 7412: Les variétés caractéristiques des fluides visqueux en relativité générale.
- Pickert, Günter. 3804: Zur Einbettung von Halbgruppen in Gruppen.
- Picone, Mauro. 5379: Sulle equazioni integrali lineari di seconda specie di Volterra a nucleo di traslazione. 6828: Criteri sufficienti per il minimo assoluto di un integrale pluridimensionale, del primo ordine nel vettore minimante in parte o completamente libero alla frontiera del dominio d'integrazione. 637: (with Signorini, Antonio) Calcolo di alcuni integrali che intervengono in un criterio sufficiente di minimo assoluto.
- Pierce, R. S. 6213: Subrings of simple algebras. 2436: (with Beaumont, R. A.) Subrings of algebraic number fields. 6212: (with Beaumont, R. A.) Torsion-free rings. 6077: (with Christensen, D. J.) Free products of α -distributive Boolean algebras.
- Pierson, Willard J., Jr. 4594: Perturbation analysis of the Navier-Stokes equations in Lagrangian form with selected linear solutions.
- Pleisch, A. 1773: Zur Fredholmschen Theorie in lokalkonvexen Räumen.
- Pignedoli, Antonio. 7195: Su certi sistemi lagrangiani classici e relativistici.
- Pill, E. I. 3367: (with Lazarev, V. G.) Integration of potential-impulse forms.
- Pillai, R. Krishna. 1984: (with Kish, Leslie and Namboodiri, N. Krishnan) The ratio bias in surveys.
- Pini, Bruno. 2736: Proprietà locali delle soluzioni di una classe di equazioni ipoellittiche.
- Pinkham, R. S. 1954: (with Wilk, M. B.) Tail areas of the t -distribution from a Mills'-ratio-like expansion.
- Pinl, M. 6893: Kriterien für euklidische Differentialformen.
- Plasky, Mark A. 3393: (with Jordan, Thomas F. and Sudarshan, E. C. G.) Dynamical mappings of density operators in quantum mechanics. II. Time dependent mappings.
- Pintér, L. 6494: Oszillationsätze für einen Typ von nichtlinearen Differentialgleichungen zweiter Ordnung.
- Pipkin, A. C. 5810: (with Wineman, A. S.) Material symmetry restrictions on non-polynomial constitutive equations.
- Piran, F. A. E. 1181: Gravitational radiation.
- Piranian, G. 1467: (with Bagemihl, F.) Boundary functions for functions defined in a disk. 2599: (with Collingwood, E. F.) The structure and distribution of prime ends.
- Pirenne, Jean. 3470: (with Renson, Pierre) Thermodynamic properties of the mono-atomic linear chain.
- Piron, Constantin. 5856: (with Emch, Gérard) Symmetry in quantum theory.
- Pisanelli, Domingos. 3172: Ancora sull'integrazione delle funzioni razionali sotto forma di differenza divisa.
- Piakorek, A. 1633: Propriétés des intégrales de l'équation parabolique dans un domaine non cylindrique.
- Pisot, C. 6151: Eine merkwürdige Klasse ganzer algebraischer Zahlen.
- Pistola, Angelo. 4430: Traformate di funzioni di ripartizione unimodali.
- Pitcher, T. S. 4405: On the sample functions of processes which can be added to a Gaussian process.
- Pixley, A. F. 3630: Distributivity and permutable congruence relations in equational classes of algebras.
- Pizzarelli, Gaetano. 1308: Struttura di espressioni in un campo euclideo e sistemi speciali quadratico-lineari. I.
- Pjatecki-Shapiro, I. I. 260: (with Gel'fand, I. M.) Unitary representations in uniform spaces with discrete stationary group.
- Plans, Antonio. 575: Results concerning a generalization of similarity in a Hilbert space. 6735: Angular convergence properties in a Hilbert space.
- Platone Garroni, M. Giovanna. 3805: Sulla derivazione dei funzionali lineari e limitati in un reticolato normato di funzioni.
- Platonov, V. P. 1370: On the theory of linear algebraic groups.
- Platzman, George W. 335: An approximation to the product of discrete functions.
- Plebański, J. 3499: Spherically symmetric worlds as embedded in a flat space.
- Pleszczyńska, E. 3610: Recurrence formula for the number of limited partitions with different components.
- Pil's, A. 677: (with Golab, S.) A remark on the curvature of non-plane curves.
- Plis, A. F. 3432: A spectral representation for the Bethe-Salpeter amplitude.
- Pliss, V. A. 2886: On conditional stability in critical cases.
- Plochmann, George Kimball. 1239: (with Lawson, Jack B.) ★Terms in their propositional contexts in Wittgenstein's 'Tractatus': An index.
- Plotka, J. 6919: On bases with respect to a closure operator with the exchange property.
- Plotkin, B. I. 3078: Äussere lokale Eigenschaften von Automorphismengruppen.
- Plotkin, B. J. = Plotkin, B. I.
- Plotnikova, G. V. 3979: On the construction of periodic solutions of a

- nonautonomous quasilinear system with one degree of freedom near resonance in the case of double roots of the equation of fundamental amplitudes.
- Podloženčenko, R. I.** 3521: On the fundamental ideas of programming. I, II.
- Poeverlein, H.** 2146: Sommerfeld-Runge law in three and four dimensions.
- Pogorelov, A. V.** 497: On strongly elliptic Monge-Ampère equations. 724: On the regularity of a convex surface with a regular metric in Euclidean space. 6908: ★Topics in the theory of surfaces in elliptic space. 4: (with Efimov, N. V. and Zalgaller, V. A.) Aleksandr Danilovič Aleksandrov (on his fiftieth birthday).
- Pogorselski, H. A.** 3577: A note on an arithmetization of a word system in a denumerable alphabet. 3578: Word arithmetic: theory of primitive words.
- Pogorselski, W. A.** 6039: (with Ślupecki, Jerzy) Basic properties of deductive systems based on nonclassical logics. I, II. 6040: (with Ślupecki, Jerzy) A variant of the proof of the completeness of the first order functional calculus.
- Pogorzałski, Witold.** 336: Sur certains problèmes aux limites discontinues d'ordre supérieur dans la théorie des fonctions analytiques. 4888: The adequacy of theories of deductive systems relative to the propositional calculus. 6559: Problème aux dérivées tangentielles discontinues pour une équation elliptique. 6605: Sur certaines propriétés des intégrales analogues aux potentiels et un problème aux limites pour l'équation parabolique. 6606: Recherches sur la continuité régulière du potentiel de charge spatiale relatif au système parabolique.
- Poitou, Georges.** 3639: Rectification de deux notes précédentes.
- Pokrovskii, A. N.** 2035: On the utilization of digital computers for differentiating and smoothing out sequences containing random disturbances.
- Poliček, E. M.** 4158: The expansion of continual means in powers of the functional Laplacian. 5348: Functionals orthogonal on the sphere. (On a generalization of harmonic analysis).
- Polkinghorne, J. C.** 1084: Analyticity and unitarity. 1085: Analyticity and unitarity. II. 2237: High-energy behavior in perturbation theory. 4695: Complex angular momenta and unitarity in crossed channels.
- Pollak, Barth.** 5971: 4-dimensional orthogonal groups over algebraic number fields.
- Pollak, H. O.** 5200: (with Landau, H. J.) Prolate spheriodal wave functions, Fourier analysis and uncertainty. III. The dimension of the space of essentially time- and band-limited signals.
- Pollard, Harry.** 4126: The semi-group property of Poisson transformation and Snow's inversion formula.
- Polevickii, Ja. D.** 194: On groups with π -minimal condition on subgroups.
- Polofii, G. N.** 905: On a new method of a numerical solution of boundary-value problems for elliptic differential equations.
- Pol'skii, N. L.** 3173: Projective methods in applied mathematics.
- Polubarinov, I. V.** 5900: (with Ogievetski, V. I.) On the meaning of gauge invariance.
- Poluběk, E. M.** 5261: On differential equations with functional parameters.
- Pólya, Georg.** 6023: ★Mathematik und plausibles Schließen. Bd. 1: Induktion und Analogie in der Mathematik.
- Pomeranchuk, I. Ya. = Pomerančuk, I. Ja.**
- Pomerančuk, I. Ja.** 2197: (with Gribov, V. N.) Limitation of velocity of decrease of amplitudes in various processes. 4703: (with Gribov, V. N.) Some properties of the elastic scattering amplitude at high energies.
- Pommerenke, Christian.** 2597: On starlike and close-to-convex functions. 2947: Über den Durchmesser konvexer Hyperflächen. 5153: On the coefficients of close-to-convex functions. 6126: Berichtigung zu meiner Arbeit "Über die Gleichverteilung von Gitterpunkten auf m -dimensionalen Ellipsoïden". 6378: Images of convex domains under convex conformal mappings. 6379: On hyperbolic capacity and hyperbolic length.
- Ponizovskii, I. S.** 3801: On the homomorphisms of semigroups onto commutative semigroups. 6282: A remark on simple semigroups.
- Ponomarenko, V. G.** 2804: (with Timan, M. F.) On classes of saturation of functions of many variables.
- Ponomarev, V.** 3011: On strongly paracompact spaces. 4311: On paracompact spaces and related questions.
- Ponter, A. H.** 7214: (with Jaswon, M. A.) An integral equation solution of the torsion problem.
- Poots, G.** 4641: Effect of an electric field on heat transfer in a paraelectric gas.
- Popa, Ilie.** 5496: (with Georgiev, G.) Géométrie projective différentielle des variétés de cônes de l'espace à trois dimensions. 690a: (with Gheorghiev, Gheorghe) Geometria proiettivo-differenziale di alcune varietà equi-parametriche. 690b: (with Gheorghiev, Gh.) Géométrie projective différentielle de quelques variétés équiprojectives. II. 690c: (with Gheorghiev, Gheorghe) Geometria proiettivo-differenziale di alcune varietà equiprojective. III. 2965: (with Gheorghiev, Gheorghe) Corrispondenze tra varietà di coni.
- Pope, David A.** 5447: On the approximation of function spaces in the calculus of variations.
- Popken, J.** 1304: On multiplicative arithmetic functions. 2422: (with Kuiper, F.) On the so-called von Neumann-numbers.
- Popov, A. F.** 301: Distribution of zeros of the partial sums of Dirichlet series.
- Popov, G. Ja.** 566: On an integro-differential equation.
- Popov, N. N.** 7273: Determination of the motion of the discontinuity line of a heated gas.
- Popov, V. S.** 4705: (with Blohincev, L. D. and Dolinskii, È. I.) Analytic properties of nonrelativistic graphs.
- Popovici, Andrei.** 7401: Les équations du VI^e ordre tensoriel de la fusion des champs.
- Popoviciu, Tiberiu.** 4468: Sur la précision du calcul numérique dans l'interpolation par polynômes à deux variables. 6320: Sur quelques inégalités entre moyennes. 6321: Sur la délimitation du reste dans certaines formules d'approximation linéaires de l'analyse. 6322: Remarques sur la première et sur la seconde formule de la moyenne du calcul intégral.
- Porcelli, Pasquale.** 1415: (with Connor, Frank) On equivalent measures.
- Porcu, Livio.** 4259: Sulla ipercurvatura degli elementi differenziali piani.
- Porsching, T. A.** 6074: Matrix assignments and an associated min max problem.
- Port, Sidney C.** 3122: An elementary probability approach to fluctuation theory.
- Porte, J.** 3576: Quelques extensions du théorème de déduction.
- Postelnicu, T.** 4022: Sur le groupe de mouvements d'un système de trois formes de Pfaff de classe cinquième.
- Postnikov, A. G.** 6146: Arithmetic modeling of random processes.
- Postnikov, M. M.** 3051: The equivalence of cohomology theories.
- Postoeva, N. I.** 7253: On relative stationary viscous non-compressible fluid motion.
- Potemkin, A. P.** 1437: An approximate method of conformal mapping.
- Potjagailo, D. B.** 5156: On a class of Riemann surfaces.
- Potoček, V. V.** 6644: On summation formulae.
- Potter, D. S.** 993: (with Murphy, S. R.) Solution of the wave equation in a medium with a particular velocity variation.
- Pottlöff, Richard F.** 867: Four-factor additive designs more general than the Greco-Latin square.
- Pottier, Jacques.** 1019: Configurations de champs électromagnétiques de haute fréquence et magnétostatique associés en vue du confinement d'un plasma.
- Potts, Renfrey B.** 5913: (with Montroll, Elliott W. and Ward, John C.) Correlations and spontaneous magnetization of the two-dimensional Ising model.
- Poulsen, Ebbe Thue.** 458: On the local origin of the essential spectra of elliptic differential operators. 6756: Boundary values in function spaces.
- Powderly, Mary.** 1845: (with Anderson, Douglas R.) Two problems of Hewitt.
- Polarickii, G. K.** 928: On the stability of equilibrium states for systems with dry friction.
- Prabhu, N. U.** 1944: Some aspects of queueing theory. 1945: Elementary methods for some waiting time problems. 4425: (with

- Gani, J.) A storage model with continuous infinitely divisible inputs.
- Pradhan, T. 3402: Exact solution of a relativistic field theory. 5932: Causality and the dispersion formulas for waves in a plasma.
- Prager, Stephen. 5843: Diffusion and viscous flow in concentrated suspensions.
- Prager, W. 3249: On higher rates of stress and deformation.
- Prakash, Nirmala. 1840: Kaehlerian Finsler manifolds. 5517: A note on Ricci-recurrent and recurrent spaces.
- Prange, Eugene. 1226: The use of information sets in decoding cyclic codes.
- Prasad, B. N. 516: (with Srivastava, Pramila) On strong Riesz summability of a Dirichlet series.
- Prat, Roland. 3352: Influence de la diffraction sur la structure des images d'objets étendus.
- Pratt, John W. 5658: Shorter confidence intervals for the mean of a normal distribution with known variance.
- Predonzan, Arno. 4239: Sulle varietà P_s -secani un sistema di varietà algebriche. 4240: Sugli spazi doppi. 4241: Sulle superficie monoidali del quarto ordine ad asintotiche separabili. 4242: Osservazioni sul corpo delle funzioni razionali sopra una ipersuperficie algebrica del quarto ordine.
- de Pree, J. D. 1433: (with Thron, W. J.) On sequences of Moebius transformations.
- Prentki, J. 4708: (with Amati, D. and Stanghellini, A.) Higher symmetries and Pomerančuk conditions.
- Presin, H.-J. 2789: Asymptotische Entwicklungen für eine Klasse von Laplace-Integralen.
- Prelić, Slavka. 506: Sur l'équation fonctionnelle $f(x) = f[g(x)]$. 2756: (with Mitrinović, Dragoslav S.) Sur une équation fonctionnelle cyclique d'ordre supérieur. 2757: (with Mitrinović, Dragoslav, S.) Une classe d'équations fonctionnelles homogènes du second degré.
- Pressman, A. Ja. 5666: (with Berljand, O. S. and Nazarov, I. M.) i^* erf-distribution or mixed Gauss-Poisson distribution.
- Presirud, M. C. 1171: (with Bellman, R. E. and Kalaba, R. E.) ★ Invariant imbedding and radiative transfer in slabs of finite thickness.
- Prilepsko, A. I. 5172: Uniqueness of the solution to the inverse problem of the metaharmonic potential.
- Prior, A. N. 2357: On a family of paradoxes. 3396: The theory of implication. 4676: Tense-logic and the continuity of time.
- Priskar, A. Alan B. 4811: Analysis of a procedure for controlling discrete stochastic processes.
- Privalov, A. A. 4092: Interpolation on sets of measure zero.
- Procházka, Ladislav. 225: On the problem of splitting certain Abelian extensions of splittable Abelian groups. 226: On the splittability of factor groups of torsion-free Abelian groups of finite rank. 227: Note on quasi-isomorphism or torsion-free abelian groups of finite rank. 3775: A remark on the structure of the factor groups of torsion-free Abelian groups of finite rank. 6245: On the p -rank of torsion-free Abelian groups of finite rank.
- Prohorov, Ju. V. 6729: (with Sazonov, V. V.) Some results related to Bochner's theorem.
- Prohorov, L. V. 7337: Contribution of space-like intervals to the S -matrix.
- Preizvolov, V. 730: Contractions of completely regular spaces. 3018: A remark on uniformly homeomorphic imbeddings into Euclidean spaces. 5532: Condensation properties of Hausdorff spaces.
- Prokhorov, L. V. = Prohorov, L. V.
- Prokof'ev, V. A. 2113: The speed of propagation of small disturbances and the existence of weak shock waves in radiating gas assuming radiation pressure.
- Prokop, Josef. 2161: (with Doležal, Václav and Vorel, Zdeněk) The theory of graphs in the analysis of electrical networks.
- Prokopenko, L. N. 6587: The uniqueness of the solution of the Cauchy problem for differential-operator equations.
- Prosin, A. V. 2100: The calculation of cross noise power in distance communication.
- Prosperi, G. M. 4668: On the analytic continuation of the S -matrix in angular momentum. 1044: (with Daneri, A. and Loinger, A.) Quantum theory of measurement and ergodicity conditions.
- Protter, M. H. 3265: (with Noh, W. F.) Difference methods and the equations of hydrodynamics.
- Prouza, Ludvík. 1706: Note on a formula on "sampled" functions. 4406: On the spectrum of "sampled" stationary random processes.
- Provotorov, B. N. 4741: A quantum-statistical theory of cross relaxation.
- Prudnikov, A. P. 6704: (with Ditkin, V. A.) Operational calculus of Bessel operators.
- Pryanovich, Mileva. 2983: Projective and conformal transformations in recurrent and Ricci-recurrent Riemannian spaces.
- Przelecki, Marian. 6038: Theoretical concepts and experience.
- Przeworska-Rolewicz, D. 1756: Sur les opérations satisfaisant à une identité polynomiale. 4136: Sur les équations intégrales singulières dans l'espace résolubles par la méthode des approximations successives.
- Pničenov, E. A. 3389: The tunnel effect through a system of identical potential barriers.
- Pničenyl, B. N. 3520: Algorithm for finding optimal solutions in a discrete space for a certain class of problems. 7311: Calculation of power networks on electronic computers.
- Pták, Vlastimil. 3712: Norms and the spectral radius of matrices. 4186: The principle of uniform boundedness and the closed graph theorem. 134: (with Fiedler, Miroslav) On matrices with non-positive off-diagonal elements and positive principal minors. 4187: (with Fiedler, Miroslav) Generalized norms of matrices and the location of the spectrum.
- Pugh, D. 1159: (with Rhys-Roberts, C. and Tredgold, R. H.) Unstable solutions and surface states.
- Puhov, G. E. 917: On electrical simulation of algebraic objects by sections.
- Pulvirenti, Giuseppe. 578: Funzioni implicite negli spazi di Banach. 6584: Su un classico problema ai limiti per l'operatore di Laplace iterato. 6585: Ulteriori osservazioni su un classico problema per l'operatore di Laplace iterato.
- Pustovoit, V. I. 4778: (with Gortenshtein, M. E.) Gravitational radiation by a relativistic particle.
- Pustyl'nik, E. I. 6818: On integral operators acting in L_p -spaces.
- Putnam, C. R. 604: Absolute continuity of certain unitary and half-scattering operators. 6768: On semi-normal operators and convex hulls of ranges of power series.
- Putnam, Hilary. 4903: (with Davis, Martin) Diophantine sets over polynomial rings.
- Putzer, Eugene J. 6488: The rate of growth of solutions of a second-order differential equation.
- Puzikov, L. D. 4661: (with Bar, A. I. and Smorodinskii, Ja. A.) Reconstruction of the scattering matrix near threshold.
- Pyke, Ronald. 5602: (with Hobby, Charles) Combinatorial results in multi-dimensional fluctuation theory.
- Pym, J. S. 6398: Idempotent measures on semigroups.
- Pyne, I. B. 7179: (with McCluskey, E. J., Jr.) An essay on prime implicant tables.
- Ptyev, Ju. P. 2148: Electron optics of near-surface beams. 4625: Flows of charged particles in an electromagnetic field.
- Pyté, Agnar. 2052: A note on perturbation theory in nearly periodic systems.
- Raab, David H. 835: (with Green, Edward H.) A cosine approximation to the normal distribution.
- Rabinovič, Ju. L. 2679: (with Nesterov, S. V.) General form of the linear differential equations whose order is reduced by the generalized differentiation operator D^α .
- Rabinovič, V. S. 2651: On functions connected with the Laplace equation in paraboloidal coordinates.
- Rachwal, T. 3481: L'ordre du contact d'une courbe régulière avec l'hyper sphère tangente dans le point d'inflexion d'ordre $n-1$ (espaces euclidiens R_{2n} et R_{2n+1}).
- Raczka, R. 1121: Angular momentum wave function for three relativistic pions.
- Rademacher, Hans. 4217: On a theorem of Besicovitch.
- Radha, T. K. 4403: (with Ramakrishnan, Alladi) Correlation problems in evolutionary stochastic processes. 2263: (with Ramakrishnan,

- Alladi and Thunga, R.) On the decomposition of the Feynman propagator.
- Radhakrishna, L. 7420: (with Misra, Markandeya) Some electromagnetic fields of cylindrical symmetry.
- Radicati, L. A. 2218: (with Fonda, L. and Regge, T.) Mandelstam representation for the nonrelativistic many channel problem.
- Radner, R. 4456: Team decision problems.
- Rado, F. 2327: Sur le problème du programme linéaire.
- Rado, R. 2852: A theorem on infinite series. 3708: A combinatorial theorem on vector spaces.
- Radochová, Véra. 686: Projective deformation of correspondences of the third kind.
- Rådström, Hans. 3862: One-parameter semigroups of subsets of a real linear space.
- Radu, N. 3724: Über die Struktur der Multiplikationsringe. 1839: (with Barbillan, D.) Les J -métriques finaliéennes naturelles et la fonction de représentation de Riemann.
- Radziszewski, Konstanty. 6858: (with Bielecki, Adam) Sur les cordes divisant l'aire d'un ovale dans un rapport donné.
- Ragab, F. M. 1498: Some formulae similar to Barnes' lemma. 1504: The inverse Laplace transform of the modified Bessel function $K_{\alpha\mu}(a^{1/2m}p^{1/2m})$. 2647: Integrals involving products of Bessel functions. 3936: Two series of products of two transcendental hypergeometric functions of Gauss. 3937: Series of products of two generalized hypergeometric functions of the type ${}_1F_2$ and of the Bessel function $(S_r(x))^2$.
- Raghavacharyulu, I. V. V. 2273: (with Bhavanacharyulu, I.) Simplification in finding the allowable representations of space groups.
- Raghavan, S. 1266: On representation by hermitian forms.
- Raghavendran, R. 2917: A generalization of the pedal line theorem.
- Ragusa, S. 1105: (with Itô, D. and Zimerman, A. H.) On the universality of weak interactions.
- Rahman, K. I. = Rahman, Qazi Ibadur.
- Rahman, Qazi Ibadur. 2795: An inequality for trigonometric polynomials. 6412: On asymmetric entire functions. 2610: (with Boas, R. P.) Some inequalities for polynomials and entire functions.
- Ralkov, D. A. 2848: ★Vector spaces.
- Rainal, A. J. 3537: Zero-crossing intervals of Gaussian processes.
- Rainich, G. Y. 6076: Notes on foundations. II. On Galois connections.
- Rais, Mustapha. 7492: Une relation entre le propagateur et les solutions de l'équation correspondante à supports dans le temps.
- Rajagopal, C. T. 1683: On the Fourier coefficients of functions of L^2 .
- Rajagopalan, M. 6297: On the L^p -space of a locally compact group.
- Rakotch, E. 4319: A note on α -locally contractive mappings. 5555: A note on contractive mappings.
- Raleigh, J. 323: On the Fourier coefficients of triangle functions.
- Rall, L. B. 1731: Quadratic equations in Banach spaces.
- Ramachandran, B. 4130: On the periodicity of certain integral transforms of functions of bounded variation on the real line.
- Ramachandran, G. 3460: (with Ramakrishnan, A. and Devanathan, V.) A time-dependent approach to rearrangement collisions.
- Ramakrishnan, Alladi. 4403: (with Radha, T. K.) Correlation problems in evolutionary stochastic processes. 2203: (with Radha, T. K. and Thunga, R.) On the decomposition of the Feynman propagator. 3400: (with Ramachandran, G. and Devanathan, V.) A time-dependent approach to rearrangement collisions.
- Ramalho, Margarita. 3782: Sur quelques théorèmes de la théorie des groupes.
- Ramanan, S. 168: (with Sridharan, R.) Resolutions for some filtered algebras.
- Ramanujan, M. S. 2798: On the representation of sequences as Fourier coefficients.
- Ramm, V. G. 1801: On a uniqueness theorem for convex polyhedra.
- Ramsey, W. 5901: (with Finkelstein, R.) The weak and the strong couplings and general covariance.
- Randol, Burton. 3578: (with Dudley, R. M.) Implications of pointwise bounds on polynomials.
- Rang, E. R. 5242: Periodic solutions of singular perturbation problems.
- Rankin, R. A. 94: Representations of a number as the sum of a large number of squares. 95: Sets of integers containing not more than a given number of terms in arithmetical progression. 96: On the representation of a number as the sum of any number of squares, and in particular of twenty. 2407: The divisibility of divisor functions.
- Ranninger, J. 4740: (with Baumann, K.) Quantum theory of transport coefficients. I. 2253: (with Thirring, W.) Linear response function for quantum mechanical system.
- Rao, C. Radhakrishna. 1967: Use of discriminant and allied functions in multivariate analysis. 5676: Apparent anomalies and irregularities in maximum likelihood estimation. 5677: Problems of selection with restrictions. 7081: Apparent anomalies and irregularities in maximum likelihood estimation.
- Rao, D. K. Mohan. See Mohan Rao, D. K.
- Rao, J. Krishna. 3500: (with Pandey, S. N.) Some relativistic fields of electromagnetic and gravitational radiation.
- Rao, J. N. K. 3160: On three procedures of unequal probability sampling without replacement. 871: (with Hartley, H. O.) Sampling with unequal probabilities and without replacement. 5704: (with Hartley, H. O. and Cochran, W. G.) On a simple procedure of unequal probability sampling without replacement.
- Rao, K. Muralidhara. 3115: On increasing Markov processes.
- Rao, K. Narasimha Murthy. See Narasimha Murthy Rao, K.
- Rao, M. M. 4455: Some inferential theorems in stochastic processes.
- Rao, M. V. Subba. See Subba Rao, M. V.
- Rapaport, Elvira Strasser. 6944: On a problem of Papakyriakopoulos.
- Rapier, Pascal M. 3486: The relativity of Sir Isaac Newton.
- Rapoport, Anatol. 5993: Some self-organization parameters in three-person groups.
- Rapoport, M. G. 3933: (with Beljakov, V. M. and Kravcova, R. I.) ★Tables of elliptic integrals. Vol. I.
- Rasche, G. 3424: (with Straumann, N.) On the removal of the ghost state in the Lee model.
- Rashid, M. A. 1108: The reduction of the product of three 8-dimensional representations of $U(3)$ and $SU(3)$ into irreducible representations. 7336: (with Syed, Ansaruddin) T_{ab} and T_{ab}^* as opposite boundary values.
- Rasof, Bernard. 1762: The initial- and final-value theorems in Laplace transform theory.
- Rastall, P. 1067: A simplified quantum electrodynamics.
- Rasulov, M. L. 478: Conditions for the correctness of one-dimensional mixed problems.
- Rath, Walter. 5776: (with Meyer zur Capellen, Walther) ★Kinematik der sphärischen Schubkurbel.
- Ratcliff, Louis J., Jr. 6217: Separably generated spots and affine rings over regular rings.
- Raudeljunas, A. 7037: Limit theorems for sums of random vectors forming a non-homogeneous Markov chain. I. 7038: Limit theorems for sums of random vectors forming a non-homogeneous Markov chain. II.
- Rautenberg, Wolfgang. 4883: Über metatheoretische Eigenschaften einiger geometrischer Theorien.
- Ray, Daniel. 3129: Sojourn times and the exact Hausdorff measure of the sample path for planar Brownian motion. 3966: (with McKean, H. P., Jr.) Spectral distribution of a differential operator.
- Raymond, Frank. 251: (with Bredon, G. E. and Williams, R. F.) p -adic groups of transformations.
- Rayner, C. B. 7414: Elasticity in general relativity.
- Rayski, Jerry. 7466: Localization of energy and quantization of the gravitational field.
- Razumihin, B. S. 6598: Stability of solutions of differential equations with small factors multiplying the derivatives.
- Read, Ronald C. 4338: Euler graphs on labelled nodes. 4339: On the number of self-complementary graphs and digraphs.
- Read-Derchain, C. 6881: Sur les congruences W .
- Reade, Maxwell O. 2595: On the partial sums of certain Laurent expansions.
- Redheffer, Raymond M. 446: An extension of certain maximum principles. 447: Eindeutigkeitssätze bei nichtlinearen Differentialgleichungen. 1468: Differential inequalities. 5307: Bemerkungen über Monotonie und Fehlerabschätzung bei nichtlinearen partiellen Differentialgleichungen. 6334: Über eine beste, Ungleichung zwischen den Normen von f, f', f'' . 6512: Uniqueness, stability and error estimation.

- Reduzubova, O. S. 1809: *T*-pairs of congruences with constant distance and constant angle between corresponding rays.
- Ree, Rimhak. 181: On certain pairs of matrices which do not generate a free group.
- Reeb, Georges. 6502: Sur un théorème de Seifert sur les trajectoires fermées de certains champs de vecteurs.
- Reed, I. S. 4849: (with Kendall, W. B.) Path-invariant comma-free codes.
- Reed, Myril B. 4638: (with Seshu, Sundaram) ★Linear graphs and electrical networks.
- Reeve, J. E. 5001: (with Tyrrell, J. A.) Quotient bilinear forms.
- Refsdal, Sjur. 1196: Generalization of Singer's formula for the general relativistic red shift to elliptic satellite orbits.
- Regge, T. 1088: Introduction to complex orbital momenta. 1089: Bound states, shadow states and Mandelstam representation. 2217: (with Viano, G. A.) The interpolation problem in the theory of complex angular momentum. 1090: (with Bottino, A. and Longoni, A. M.) Potential scattering for complex energy and angular momentum. 3431: (with De Alfaro, V. and Rossetti, C.) Dynamical equations and angular momentum. 2218: (with Fonda, L. and Radiciati, L. A.) Mandelstam representation for the nonrelativistic many channel problem.
- Regirer, S. A. 2125: (with Vatažin, A. B.) Approximate calculation of the current distribution when a conducting fluid flows along a channel within a magnetic field.
- Reich, Edgar. 866: Some combinatorial theorems for continuous parameter processes. 1942: Note on queues in tandem. 2594: counterexample of Koobe's for slit mappings. 6681: On non-Hermitian Toeplitz matrices.
- Reichardt, Hans. 6574: Ausstrahlungsbedingungen für die Wellengleichung.
- Reichaw-Reichbach, M. 4320: Extension of homeomorphisms in 0-dimensional compact spaces.
- Reichbach, Julius. 3591: On generalization of the satisfiability definition and proof rules with remarks to my paper: On theses of the first-order functional calculus. 4897: On the connection of the first-order functional calculus with many-valued propositional calculi.
- Reichelderfer, Paul V. 5130: A transformation theory for measure space.
- Reid, J. B. 3932: (with Montpetit, G.) ★Table of factorials 0! to 9999!
- Reiersøl, Olav. 3715: Rational orthogonal matrices. 4829: Path coefficients, moments of moments and expectations of expectations in population genetics.
- Reiersøl, Olav = Reiersøl, Olav.
- Reiman, István. 3041: An extremal problem in graph theory.
- Reimann, József. 818: Discussion of random walk problems by using matrix-theoretical methods.
- Reimers, E. 4082: Section-convergence and multiplication of summable series. 4091: Theorems of Tauberian type for matrix summability methods.
- Reiner, A. 1131: Comparison of some different linked-cluster expansions.
- Reiner, Irving. 2482: Failure of the Krull-Schmidt theorem for integral representations. 2519: (with Curtis, Charles W.) ★Representation theory of finite groups and associative algebras. 2520: (with Heller, A.) Representations of cyclic groups in rings of integers. II.
- Reinfeld, J. 3411: A derivation of the probability density for the Bethe-Salpeter equation.
- Reinhardt, H. E. 842: The use of least favorable distributions in testing composite hypotheses.
- Reinhart, Bruce L. 4367: Further remarks on the winding number. 4368: Structures transverse to a vector field. 4371: Periodic orbits on two manifolds.
- Reischer-Haimovici, Corina. 1275: La forme explicite des fonctions élémentaires dans les algèbres des antiquaternions, des semiquaternions et des semiantiquaternions.
- Reiss, Edward L. 7237: On the quasi-static theory of viscoelasticity.
- Reissig, Rolf. 5235: Stabilitätsprobleme in der qualitativen Theorie der Differentialgleichungen. 5236: Beurteilung nichtlinearer Systeme auf der Grundlage der Strukturstabilität. 6513: Eine Methode zur Stabilitätsuntersuchung bei gewissen Differentialgleichungen. 6514: Über die Konstruktion einer Ljapunowschen Funktion für die verallgemeinerte Liénardsche Gleichung.
- Reissner, E. 946: Note on finite inextensional deformations of shallow elastic shells. 2067: On pure bending of pressurized toroidal membranes. 5790: (with Weinitzschke, H. J.) Finite pure bending of circular cylindrical tubes.
- Reiter, Hans. 2541: Sur les groupes de Lie semi-simples connexes.
- Reiter, Stanley. 3164: (with Ames, Edward) Distributions of correlation coefficients in economic time series.
- Rejto, P. A. 1776: (with Friedrichs, K. O.) On a perturbation through which a discrete spectrum becomes continuous.
- Rekasius, Z. V. 3549: (with Gibson, J. E.) Stability analysis of nonlinear control systems by the second method of Liapunov.
- Remešennikov, V. N. 1348: (with Kargapolov, M. I. and Merzljakov, Ju. I.) On a method of group adjunction.
- Remez, E. Ja. 890: Nearest analogues of the second polynomial algorithm as applied to a discrete Chebyshev problem and a general Chebyshev minimax with parameters entering linearly. 5331: (with Gavriljuk, V. T.) Some remarks on polynomial Chebyshev approximations of functions compared to the intervals of expansions in Chebyshev polynomials.
- Remizova, M. P. 5162: Extremal problems in the class of typically real functions.
- Remizova, N. I. 3269: Integral equations of equilibrium of thin elastic cylindrical shells.
- Remmert, R. 3088: (with Borel, A.) Über kompakte homogene Kählersche Mannigfaltigkeiten. 3089: (with Grauert, H.) Über kompakte homogene komplexe Mannigfaltigkeiten. 5394: (with van de Ven, A.) Zur Funktionentheorie homogener komplexer Mannigfaltigkeiten. 3087: (with van de Ven, Ton) Über holomorphe Abbildungen projektiv-algebraischer Mannigfaltigkeiten auf komplexe Räume.
- Renault, Guy. 5028: Sous-modules compléments dans un A -module M .
- Rennie, Basil C. 4420: Random walks.
- Renson, Pierre. 3470: (with Pirenne, Jean) Thermodynamic properties of the mono-atomic linear chain.
- Rényi, Alfréd. 1218: A few fundamental problems of information theory. 1219: On a problem in information theory. 1911: On random subsets of a finite set. 5597: ★Wahrscheinlichkeitsrechnung. Mit Einem Anhang über Informationstheorie. 5603: Three new proofs and a generalization of a theorem of Irving Weiss. 5623: On Kolmogoroff's inequality. 2586: (with Erdős, P.) On a problem of A. Zygmund. 5564: (with Erdős, P.) On the evolution of random graphs. 1209: (with Ziermann, Margit) On some inventory problems of shops.
- Repinikov, V. D. 1632: Some theorems on stabilizing the solution of the Cauchy problem for parabolic equations.
- Rescher, Nicholas. 6027: Avicenna on the logic of "conditional" propositions.
- Reletnjak, Ju. G. 1777: A new proof of the theorem of existence of an absolute minimum for two-dimensional problems of the calculus of variations in parametric form. 6605: An isoperimetric property of two-dimensional manifolds of curvature not greater than k . 6606: On geometry in the large. 6607: Arc length in a manifold of bounded curvature with an isothermal linear element.
- Résibois, P. 1144: Invariants in N -body systems.
- Resnik, Michael D. 4889: A decision procedure for positive implication.
- Restle, Frank. 1217: Statistical methods for a theory of cue learning.
- Reuter, G. E. H. 912: Competition processes.
- Révész, György. 2780: A polynomial approximation to e^x .
- Révész, P. 2580: Some remarks on the random ergodic theorem. II.
- Revusky, Samuel H. 3153: Mathematical analysis of the durations of reinforced inter-response times during variable interval reinforcement.
- Reynolds, R. R. 3197: (with Milne, W. E.) Stability of a numerical solution of differential equations. II.
- Reynolds, William F. 2518: Modular representations of finite groups.
- Rey Pastor, Julio. 2552a: (with Pi Calleja, Pedro and Trejo, César A.) ★Mathematical analysis. Vol. I: Algebraic analysis. Theory of equations. Infinitesimal calculus of one variable. 2552b: (with Pi Calleja, Pedro and Trejo, César A.) ★Mathematical analysis. Vol. II: Infinitesimal calculus of several variables. Applications. 2552c: (with Pi Calleja, Pedro and Trejo, César A.) ★Mathematical analysis. Vol. III: Functional analysis and applications.

- de Rham, G. 3077: Sur un théorème de Marston Morse.
- Rhoades, B. E. 1654: Hausdorff summability methods, addendum. 5323: A sufficient condition for total monotonicity. 6646: A method of Hausdorff summability.
- Rhode, Solon L. III. 5628: Persistent Markov chains constructed from transient chains.
- Rhodes, Ida. 7464: (with Alt, Franz L.) Hindsight technique in machine translation of natural languages.
- Rhys-Roberts, C. 1159: (with Pugh, D. and Tredgold, R. H.) Unstable solutions and surface states.
- Ricci, Maria Lavinia. 4120: (with Rizzonelli, Pieranita) Sulle funzioni μ -quasi periodiche.
- Rice, S. O. 7458: Noise in FM receivers.
- Richard, Ubaldo. 2790: Proprietà asintotiche e determinazione numerica degli estremi relativi del polinomio $\prod_{i=1}^n (x - x_i)$ per $\Delta x_i = \text{cost}$.
- Richards, Ian. 746: On the classification of noncompact surfaces.
- Richards, Paul B. 3506: On asymptotic stability in the restricted three-body problem.
- Richardson, John M. 416: (with Bellman, Richard) A new formalism in perturbation theory using continued fractions. 2016: (with Bellman, R.) On some questions arising in the approximate solution of nonlinear differential equations.
- Richardson, R. W., Jr. 250: Groups acting on the 4-sphere. 6301: (with Palais, R. S.) Uncountably many inequivalent analytic actions of a compact group on R^n .
- Richmond, J. H. 4634: A reaction theorem and its application to antenna impedance calculations.
- Richter, Hans. 3851: Verallgemeinerung eines in der Statistik benötigten Satzes der Masstheorie. 5119: Bemerkung zu einem Satz von H. G. Kellner.
- Richter, Wilhelm. 4470: Interpolation für funktionen von zwei Veränderlichen.
- Richter, Wolfgang. 830: Ein neues Modell für zufällige Erscheinungen. 1009: (with Klebe, J.) Untersuchungen über die Erreichung optimaler Abbildungsbedingungen bei einer verkitteten Doppellinse.
- Riddell, J. 1295: (with Moser, L.) On additive h -bases for n .
- Ridder, J. 282: Die Gleichheit von iterierten Riemann-Stieltjeschen Integralen in abstrakten Räumen. I. 1419: Die Gleichheit von iterierten Riemann-Stieltjeschen Integralen in abstrakten Räumen. II. 5128: Mehrfach iterierte Riemann-Stieltjesche Integrale in abstrakten Räumen.
- Rideau, Guy. 1065: Un modèle résoluble en théorie quantique des champs: le modèle de Wentzel.
- Rider, Paul R. 5664: Expected values and standard deviations of the reciprocal of a variable from a decapitated negative binomial distribution. 7116: Sampling from a triangular population.
- Riedel, Oswald. 1189: Co-acting of classical Doppler shift and time dilation.
- Riegel, Christopher A. 7434: (with Gates, W. Lawrence) A study of numerical errors in the integration of barotropic flow on a spherical grid.
- Rieger, G. J. 105: Über die Anzahl der Lösungen der Diophantischen Gleichung $\xi_1 \zeta_1 + \xi_2 \zeta_2 = p$ unterhalb gewisser Schranken in algebraischen Zahlkörpern. 106: Elementare Lösung des Waring-schen Problems für algebraische Zahlkörper mit der verallgemeinerten Linnikschen Methode. 2414: Über die Anzahl der Primfaktoren algebraischer Zahlen und das Gausche Fehlgesetz. 6132: Über die mittlere Anzahl der Primfaktoren von $p - 1$.
- Rieger, L. 3617: On the consistency of the generalized continuum hypothesis. 6052: Sur le problème des nombres naturels.
- Riekstipki, E. 1660: On the asymptotic representation of certain integrals depending on a large parameter. 2677: (with Ikaunieks, Ē.) Transformation of asymptotic series by differential equations.
- Riera, Emilio Lluís. See Lluís Riera, Emilio.
- Riesz, Marcel. 5131: The analytic continuation of the Riemann-Liouville integral in the hyperbolic case.
- Rieu, N. 6343: (with Libouban, J.-L.) Sur un problème de K. Urbanik concernant la dimension de Hausdorff.
- Riguet, J. 6016: (with Ashby, W. Ross) The avoidance of over-writing in self-organizing systems.
- Riley, N. 3311: On the analogy between the transport of vorticity and heat in laminar boundary layers.
- Rim, Dock S. 6226: (with Buchsbaum, David) A generalized Koszul complex.
- Rimini, A. 5868: (with Ghirardi, G. C. and Pauri, M.) On the Levinson theorem in the multichannel case.
- Rinehart, R. F. 625: (with Wilson, Jack C.) The relation between continuity and differentiability of functions on algebras.
- Riordan, John. 6069: Enumerations for permutations in difference form. 48: (with Carlitz, L.) The divided central differences of zero. 49: (with Gilbert, E. N.) Symmetry types of periodic sequences.
- Ritout, Michel. 1630: Application du principe de Whittaker au lissage local pour sommes trigonométriques: compléments.
- Rivkind, V. Ja. 6561: Estimates for the rate of convergence of solutions of difference equations to solutions of elliptic equations with discontinuous coefficients and a numerical method of solving the Dirichlet problem.
- Rivlin, R. S. 5849: (with Adkins, J. E.) Propagation of electromagnetic waves in circular rods in torsion. 1325: (with Smith, G. F. and Smith, M. M.) Integrity bases for a symmetric tensor and a vector—the crystal classes.
- Rivlin, T. J. 6653: Polynomials of best uniform approximation to certain rational functions.
- Rizničenko, Ju. V. 3282: (with Šamina, O. G.) Multiple reflected and transmitted waves.
- Rizzonelli, Pieranita. 4120: (with Ricci, Maria Lavinia) Sulle funzioni μ -quasi periodiche.
- Rjaben'kil, V. S. 2022: A way of obtaining difference schemes and the use of number-theoretic sieves for solution of the Cauchy problem by the difference method. 7135: On an effect related to the passage from the heat equation to its difference approximation in the case of rapidly increasing initial conditions.
- Rjabev, Ju. A. 3983: On a method of finding a bound for the region of convergence of periodic series which are solutions of quasi-linear differential equations with small parameter. The case of resonance.
- Rjabuhin, Ju. M. 1339: (with Andrunakiev, V. A.) Special modules and special radicals.
- Robbins, Herbert. 7061: (with Chow, Y. S.) A renewal theorem for random variables which are dependent or non-identically distributed. 7114: (with Moriguti, Sigit) A Bayes test of " $p \leq 1/2$ " versus " $p > 1/2$ ".
- Roberts, Edwin M. 4650: Exact integral relationship in quantum mechanics: application to the variational method.
- Roberts, P. H. 2312: On the superpotential and supermatrix of a heterogeneous ellipsoid. 997: (with Boardman, A. D.) The effect of a vertical magnetic field on the propagation of gravity waves along the plane surface of a semi-infinite viscous, electrically conducting fluid. 5842: (with Hide, R.) Hydromagnetic flow due to an oscillating plane.
- Robertson, J. 7047: (with Masani, P.) The time-domain analysis of a continuous parameter weakly stationary stochastic process.
- Robertson, M. S. 325: Extremal problems for analytic functions with positive real part and applications. 316: (with Merkes, E. P. and Scott, W. T.) On products of starlike functions.
- Robertson, S. A. 3085: Permutations associated with critical points on surfaces.
- Robin, L. 6454: (with Kuipers, L.) Sur une intégrale de contour de la théorie des fonctions de Legendre généralisées. 1501: (with Meulenbeld, B.) Les fonctions de Jacobi.
- Robinson, A. 32: Model theory and non-standard arithmetic. 33: Non-standard analysis. 4910: On the mechanization of the theory of equations. 4911: A basis for the mechanization of the theory of equations.
- Robinson, A. R. 5816: The instability of a thermal ocean circulation.
- Robinson, D. A. 6002: Modulation in nonlinear filters with parametric feedback.
- Robinson, Enders A. 1947: Extremal properties of the Wold decomposition. 7457: ★Random wavelets and cybernetic systems.
- Robinson, I. 7421: (with Schild, A.) Generalization of a theorem by Goldberg and Sacha.
- Robinson, J. A. 7178: Theorem-proving on the computer.
- Robinson, Julia. 3609: On the decision problem for algebraic rings.
- Robinson, R. O. 1160: Some matrix calculations on the Ising model.
- Robinson, Raphael M. 2433: Intervals containing infinitely many sets of conjugate algebraic integers.

- Bobson, D. S.** 4444: (with Atkinson, G. F.) Individual degrees of freedom for testing homogeneity of regression coefficients in a one-way analysis of covariance.
- Roby, Norbert.** 6200a: Sur les lois polynomes. 6200b: Sur les lois formelles.
- Roch, G.** 6252: Konvergenzfreie p -Gruppen.
- de Rocha Barros, Alberto Luiz.** 5881: (with Schönberg, Mario) On the Clifford and Jordan-Wigner algebras.
- Rechowski, M.** 4335: (with Mioduszewski, J.) Remarks on fixed point theorem for inverse limit spaces.
- Rodemich, E.** 514: (with Garsia, A. M. and Orey, S.) Asymptotic behavior of successive coefficients of some power series.
- Rodin, Ju. L.** 2604a: On the Riemann boundary-value problem with discontinuous coefficients on Riemann surfaces. 2604b: The Riemann boundary-value problem for differentials on closed Riemann surfaces.
- Rodionov, A. M.** 6539: Expansions of solutions of differential equations with retardation in power series of small retardation.
- Rodrigues, A. M.** 5102: The first and second fundamental theorems of Lie for Lie pseudo groups.
- Rodriguez, Gaetano.** 4970: Forme cubiche nel dominio degli interi 3-adici.
- Roelants, Herman.** 3949: Contribution to the study of the generalized Laguerre polynomials $L_n^{\alpha}(t)$.
- Roelcke, Walter.** 3814: Über Fundamentalbereiche diskontinuierlicher Gruppen. 3815: Über diskontinuierliche Gruppen in lokalkompakten Räumen.
- Rogers, C. A.** 1511: An asymptotic expansion for certain Schläfli functions. 3852: Sets non- σ -finite for Hausdorff measures. 6863: (with Erdős, P.) Covering space with convex bodies. 4284: (with Taylor, S. J.) On the law of the iterated logarithm.
- Rogers, Kenneth.** 6270: A combinatorial problem in Abelian groups. 5003: (with Straus, E. G.) A special class of matrices.
- Rogers, T. G.** 7239: (with Lee, E. H.) Solution of viscoelastic stress analysis problems using measured creep or relaxation functions.
- Rogosinski, W. W.** 2867: Linear functionals on bounded polynomials of given order. 3848: On non-negative polynomials. 4163: Non-negative linear functionals, moment problems, and extremum problems in polynomial spaces. 6709: Moments of non-negative measures.
- Rohleder, Hans.** 3581: Untersuchungen über optimale Ausdrücke des Aussagenkalküls. 3582: Eine Halbdordnung im Aussagenkalkül. 4891: Ein Verfahren zum Aufsuchen minimaler Ausdrücke. 6010: Reduktion der Anzahl der Variablen bei gewissen Syntheseproblemen.
- Rohlin, V. A.** 1423: Exact endomorphisms of a Lebesgue space.
- Röhr, Helmut.** 171: Über Satelliten halbhexakter Funktionen. 4273: Holomorphic fiber bundles over Riemann surfaces. 6397: Unbounded coverings of Riemann surfaces and extensions of rings of meromorphic functions.
- Rohrlich, F.** 5847: The equations of motion of classical charges. 3493: (with Fulton, T. and Witten, L.) Physical consequences of a co-ordinate transformation to a uniformly accelerating frame. 3494: (with Fulton, T. and Witten, L.) Conformal invariance in physics.
- Roltberg, Ja. A.** 5287: The expansion by eigenfunctions of self-adjoint elliptical systems. 444: (with Šestopal, Z. G.) On equations of elliptic type with discontinuous coefficients. 4029: (with Šestopal, Z. G.) General boundary-value problems for elliptic equations with discontinuous coefficients. 5441: (with Šestopal, Z. G.) Energy inequalities for elliptic operators with discontinuous coefficients and for general boundary conditions and conjugacy conditions. 4630: (with Berezanskii, Ju. M. and Krein, S. G.) A theorem on homeomorphisms and local increase of smoothness up to the boundary for solutions of elliptic equations.
- Roitenberg, In. N. = Roitenberg, Ja. N.**
- Roitenberg, Ja. N.** 1595: On the determination of the state of a nonlinear control system in phase space. 6012: Some problems of the theory of dynamic programming for nonlinear systems. 7465: On the reduction of certain dynamic programming problems for nonlinear systems to transcendental equations.
- Roitenberg, L. Ja.** 3245: On the theory of gyroscope follow-up in the presence of random interference.
- Rolter, A. V.** 6273: (with Nazarova, L. A.) Integral representations of a symmetric group of third degree.
- Rolewicz, S.** 4313: (with Bessaga, C.) On bounded sets in F -spaces. 4157: (with Bessaga, C. and Pełczyński, A.) Approximative dimension of linear topological spaces and some of its applications. 1769: (with Mitiagin, B. and Żelazko, W.) Entire functions in B_0 -algebra.
- Rollero, Aldo.** 6839: Esempi numerici di trasformazioni puntuali fra due S_2 proiettivi. 6874: Contatti di calotte di S_2 lungo un comune elemento differenziale.
- Romain, Jacques.** 2976: Invariants différentiels de la connexion seule dans un espace non riemannien. 5563: Invariants différentiels d'un espace non riemannien.
- Roman, A.** 1828: (with Bors, D.) Sur une variété unidimensionnelle nonholonomie.
- Román, Juan Sancho de San.** See Sancho de San Román, Juan.
- Romanenko, V. M. = Romanenko, V. N.**
- Romanenko, V. N.** 432: On a stabilization problem. 4015: On the determination of the parameters of a process described by the equation $\dot{x} = Gx + F(t)$. 4859: On a control problem.
- Romanovskaja, I. L.** 7078: On certain types of statistics generating similarity regions.
- Romanovskii, I. V.** 4419: Higher-dimensional random walks of game type. 7049: Random walks of game type.
- Ron, Amiram.** 7380: (with Oberman, Carl and Dawson, John) High-frequency conductivity of a fully ionized plasma.
- Ronkin, L. I.** 275: Quasi-analytic classes of functions of several variables.
- Rennow, Ulf.** 6936: Remarks on compact mappings.
- van Rooij, A. C. M.** 271: On topological differentiability.
- Rooney, P. G.** 5365: A generalization of an inversion formula for the Gauss transformation.
- Roos, B. W.** 4657: (with Sangren, W. C.) Spectral theory of Dirac's radial relativistic wave equation.
- von Roos, Oldwig.** 2265: Solution of the collisionless Boltzmann equation using a diagram technique. 3441: (with Levine, Paul H.) Plasma theory of the many-electron atom.
- Root, William L.** 5635a: Singular Gaussian measures in detection theory.
- van Rootselaar, B.** 3597: Die Struktur der rekursiven Wortarithmetik des Herrn V. Vučković. 6047: Corrections to the paper "On intuitionistic difference relations".
- Roquette, Peter.** 1338: Über den Singularitätsgrad eindimensionaler Ringe. II. 6198: Berichtigung zu der Arbeit: Über den Singularitätsgrad eindimensionaler Ringe. II.
- Rosati, Francesco.** 2831: Sui coefficienti di Laguerre-Stieltjes di una funzione non decrescente. 5364: Sui coefficienti di Hermite-Stieltjes di una funzione non decrescente.
- Rosati, Luigi Antonio.** 2938: Il gruppo delle collineazioni dei piani di Hughes infiniti. 5466: Su alcune varietà dello spazio proiettivo sopra un corpo non commutativo.
- Rosati, Mario.** 3084: Proprietà topologiche della varietà degli elementi differenziali del secondo ordine dell' S , complesso. 4245: Classificazione proiettiva delle trasformazioni cremoniane intere tra due piani.
- Rosciszewski, Jan.** 2132: Analogy between the Rayleigh problem and flow behind the shock wave in magnetohydrodynamics.
- Roucet, Marcel N.** 3736: Endliche oder unendliche Produkte von Algebren zweiter Ordnung. 6318: Fonctions de Pompeiu. 6610a: Contributions à l'étude des équations aux dérivées partielles du type parabolique. III. Le problème de Cauchy pour une classe d'équations aux dérivées partielles d'ordre supérieur. 6610b: Contributions à l'étude des équations aux dérivées partielles du type parabolique. IV. Problèmes aux limites pour une classe d'équations aux dérivées partielles d'ordre supérieur. 6611: Contribution à l'étude des équations aux dérivées partielles du type parabolique. V. Problème de Cauchy pour des équations aux dérivées partielles du second ordre, linéaires, à coefficients variables. 6612: Iterated linear partial differential equations of arbitrary order.
- Rose, Alan.** 29: Remarque sur la machine universelle de Turing. 2359: A simplified self m -al set of primitive functors for the m -valued propositional calculus. 4899: A note on the representation of general recursive functions and the μ quantifier.
- Rose, H. E.** 23: Ternary recursive arithmetic.

- Rose, M. E. 1117: Polarization phenomena in beta and gamma emission. 2232: (with Sudarshan, E. C. G.) ★Lectures in theoretical physics. Vol. 2.
- Roseau, Maurice. 5234: Sur la stabilité de la solution $x=0$ du système différentiel $dx/dt = A(t)x + f(x, t)$.
- Rosen, Bernard. 7325: Relativistic Coulomb scattering.
- Rosen, C. A. 5767: An approach to a distributed memory.
- Rosen, J. B. 6013: Controllable stability and equivalent nonlinear programming problem.
- Rosen, Nathan. 1048: Quantum geometry. 7410: Flat-space metric in general relativity theory.
- Rosen, Ronald H. 4328: Polyhedral neighborhoods in triangulated manifolds.
- Rosenbaum, M. 2269: (with Aamodt, R.; Case, K. M. and Zweifel, P. F.) Quasi-classical treatment of neutron scattering.
- Rosenberg, Alex. 173: (with Zelinsky, Daniel) Amitsur's complex for inseparable fields. 6215: (with Zelinsky, Daniel) Automorphisms of separable algebras. 167: (with Hochschild, G. and Kostant, Bertram) Differential forms on regular affine algebras.
- Rosenberg, R. L. 5928: (with Wu, T. Y.) Kinetic equation describing irreversible processes in ionized gases. Addenda and corrections.
- Rosenberg, R. M. 1497: The $A(\delta)$ -functions and their properties.
- Rosenblatt, Judah. 5695: Tests and confidence intervals based on the metric d_4 .
- Rosenblatt, Murray. 3163: (Editor) ★Proceedings of the Symposium on Time Series Analysis. 5377: Asymptotic behavior of eigenvalues for a class of integral equations with translation kernels. 3118: (with Hachigian, J.) Functions of reversible Markov processes that are Markovian.
- Rosenblatt-Roth, Millu. 4388: On the law of large numbers and on the strong law of large numbers for non-homogeneous Markov chains. 4389: On the statistics of related trials.
- Rosenbloom, P. C. 2869: Probability and entire functions. 2713: The majorant method.
- Rosenbluth, Marshall N. 4748: Stability theory in plasma physics. 4749: (with Krall, Nicholas A.) Low-frequency stability of non-uniform plasmas.
- Rosendorff, S. 2190: (with Tani, Smio) High-energy potential scattering.
- Rosenfeld, L. 2255: Questions of irreversibility and ergodicity.
- Rosengard, Alex. 5459: Étude des lois-limites jointes et marginales de la moyenne et des valeurs extrêmes d'un échantillon.
- Rosenhead, L. 365a: (with Fletcher, A.; Miller, J. C. P. and Comrie, L. J.) ★An index of mathematical tables. Vol. I: Introduction. Part I: Index according to functions. 365b: (with Fletcher, A.; Miller, J. C. P. and Comrie, L. J.) ★An index of mathematical tables. Vol. II. Part II: Bibliography. Part III: Errors. Part IV: Index to Introduction and Part I.
- Rosenlicht, Maxwell. 1814: The definition of field of definition. 5068: On a result of Baer.
- Rosenstock, Herbert B. 5643: Errata: "Random walks with spontaneous emission".
- Rosin, Seymour. 7301: Some comments on Dr. Buchdahl's Paper XI.
- Rosinger, Elemér. 1755: Définition de l'espace des distributions \mathcal{D}' par le complément d'un espace de fonctions continues.
- Roškulec, Marcel N. = Roškulec, Marcel N.
- Ross, John. 2334: Informational coverage and correlational analysis.
- Ross, Kenneth A. 6926: (with Comfort, W. W.) On the infinite product of topological spaces.
- Ross, R. A. 2092: The effect of an explosion in a compressible fluid under gravity. 6624: (with Duff, G. F. D.) Indefinite Green's functions and elementary solutions.
- Rossetti, C. 3431: (with De Alfaro, V. and Regge, T.) Dynamical equations and angular momentum.
- Rossi, Hugo. 1494: Analytic spaces with compact subvarieties. 6436: On envelopes of holomorphy.
- Rot, André. 1038: Une analogie entre la mécanique classique et la mécanique quantique.
- Rota, Gian-Carlo. 2883: Spectral theory of smoothing operators. 5434: (with Strang, W. Gilbert) A note on the joint spectral radius.
- Roten, Zeev. 7276: Non-Newtonian flow in annuli.
- Rotenberg, A. 3394: (with Percus, J. K.) Exact eigenfunctions of angular momentum by rotational projection.
- Rotenberg, Manuel. 7324: Continuation and optimization of the Born expansion in nonrelativistic quantum theory.
- Roter, W. 4293: Quelques remarques sur les espaces récurrents et Ricci-récurrents.
- Roth, H. 6123: Sur un théorème de Maillet.
- Roth, K. F. 6122: ★Rational approximations to irrational numbers.
- Roth, Roman. 1779: Transformationsrechte Geometrie. VII. R_4 -Deutung einer weiteren Menelaus-Beziehung.
- Rothaus, Oscar S. 3822: The construction of homogeneous convex cones.
- Rotkiewicz, A. 3645: Sur les diviseurs composés des nombres $a^n - b^n$. 4960: Properties of the expression $a^n \pm b^n$.
- Roux, A. 5037: Foncteurs satellites.
- Rowe, K. A. 1887: (with Heller, Alex) On the category of sheaves.
- Roxburgh, I. W. 1197: (with Meisel, L.) On the thermal generation of toroidal magnetic fields in rotating stars.
- Roxin, Emilio O. 4013: Optimal control of non-linear differential equations. 6545: A geometric interpretation of Pontryagin's maximum principle. 5252: (with Spinadel, V.) Reachable zones in autonomous differential systems.
- Roy, Kamalarajan. 4048: Newmannian geometry. II.
- Roy, Maurice. 2119a: Analyse énergétique de la structure de l'onde de choc. 2119b: Analyse énergétique de la structure de l'onde de choc.
- Roy, S. N. 7108: On the planning and interpretation of multifactor multiresponse experiments.
- Roy, S. R. 4798: (with Tiwari, Ramji) A composite field in Einstein's Unified Field Theory. 5961: (with Tiwari, Ramji) A composite field in Einstein's Unified Field Theory. II. 7418: (with Tiwari, Ramji) A particular solution of the gravitational equations of a composite field in Einstein's Unified Field Theory.
- Royden, H. L. 2725: The growth of a fundamental solution of an elliptic divergence structure equation. 6817: Function algebras.
- Royster, W. C. 2596: Extremal problems for functions starlike in the exterior of the unit circle. 6392: Meromorphic starlike multivalent functions.
- Röldestvenskil, B. L. 4035: Construction of discontinuous solutions to systems of quasi-linear equations. I.
- Röldestvenskil, I. B. 4605: Thermodynamic and gas-dynamic properties of flowing air downstream of a normal shock wave with allowance for ionization and dissociation.
- Rosenberg, D. P. 3202: (with Galler, B. A.) A generalization of a theorem of Carr on error bounds for Runge-Kutta procedures.
- Rosenblatt-Roth, M. = Rosenblatt-Roth, Millu.
- Rosendorn, E. R. 5457: The isolated singular point on a surface with regular metric and negative curvature. 6911: On complete surfaces of negative curvature $K \leq -1$ in the Euclidean spaces E_3 and E_4 .
- Rozensfel'd, B. A. 1394: Interpretation of symmetric spaces with simple fundamental groups in the form of manifolds of figures of symmetry. 1791: (with Hua, Loo-keng) The geometry of rectangular matrices and its application to real-projective and non-Euclidean geometry. 5502a: (with Klimanova, T. M. and Pecko, N. D.) Projective theory of vectors. I. 5502b: (with Klimanova, T. M. and Pecko, N. D.) Projective theory of vectors. II.
- Rosdestvenskil, I. B. = Röldestvenskil, I. B.
- Rozov, N. H. 3987: Asymptotic calculation of nearly discontinuous solutions of a second-order system of differential equations.
- Rozovskii, M. I. 1724: On a class of functions and their applications.
- Rubel, L. A. 5123: A pathological Lebesgue-measurable function. 339: (with Jerrard, R. P.) On the curvature of the level lines of a harmonic function. 1464: (with Kahane, J. P.) On Weierstrass products of zero type on the real axis.
- Ruben, H. 1510: A power series expansion for a class of Schläfli functions. 1959: The estimation of a fundamental interaction parameter in an emigration-immigration process.
- Rubin, A. I. 3229: Continuous regression techniques using analog computers.
- Rudakov, V. P. 3995: A sufficient condition for stability of motion on a finite time interval. 7193: Stability of motion on a given time interval under constant perturbations.

- Rudd, Dale F. 5975: Strategy of data selection for adaptive automation.
 5989: On optimal resource allocation in multistage feedback processes.
- Rudeanu, S. 2377: On the determination of Boolean algebras by binary operations. 3628: Sur quelques systèmes de postulats des algèbres booléennes. 4337: Détermination des circuits hamiltoniens des graphes par la méthode de R. Fortet. 6102: Sur le symbole de Legendre.
- Ruderman, Marvin A. 3430: (with Cornwall, John M.) Mandelstam representation and Regge poles with absorptive energy-dependent potentials.
- Rüdiger, D. 1031: Zur Integration der Fourierschen Wärmeleitungsgleichung. 4342: Eine geometrisch nichtlineare Schalentheorie.
- Rudin, Walter. 551: A strong converse of the Wiener-Levy theorem. 2896: Idempotents in group algebras. 4176: (with Jerison, Meyer) Translation-invariant functionals.
- Rudjanu, Serduž = Rudeanu, S.
- Rudnev, Ju. V. 5827: On certain planar problems of gas dynamics.
- Ruel, K. H. 4376: Lagrangian solutions of the equations of motion in fluid mechanics by integrating certain types of nonlinear ordinary differential equations.
- Rufener, E. 884: Hyperbolische Interpolation mit Restglied.
- Ruhadze, A. A. 1153: (with Loveckil, E. E.) Hydrodynamics of a non-isothermal plasma.
- Rühs, F. 295: ★Funktionentheorie.
- Rukolaine, A. V. 214: Degrees of modular representations of p -solvable groups.
- Rumer, G. 7407: Krümmungswellen in der allgemeinen Relativitätstheorie.
- Rumer, Ju. B. 2299: Invariant formulation of the theory of the gravitational wave field.
- Rumsey, Howard. 1356: (with Hobby, Charles and Weichsel, Paul M.) Finite groups having elements of every possible order.
- Runek, Paul Otto. 1994a: Über Konvergenzfragen bei Polynominterpolation mit äquidistanten Knoten. I. 1994b: Über Konvergenzfragen bei Polynominterpolation mit äquidistanten Knoten. II. 6634: Berichtigung: "Über Konvergenzfragen bei Polynominterpolation mit äquidistanten Knoten. II".
- Rung, D. C. 6418: Boundary behavior of normal functions defined in the unit disk.
- Rummenburg, J. Th. 3109: On Elfving's problem of imbedding a time-discrete Markov chain in a time-continuous one for finitely many states. I. 5649: ★On the use of Markov processes in one-server waiting-time problems and renewal theory.
- Rusak, V. N. 1407: Some bounds for the derivatives of rational functions. 5333: An estimate for the approximation by rational fractions of functions defined on the entire axis.
- Rusakov, S. A. 223: On the imbedding of subgroups. 5066: Analogues of Sylow's theorem on the existence and imbedding of subgroups. 2506: (with Safonov, S. A.) The connection between the structure of a finite group and its σ, τ -commutators subgroup.
- Rusanov, V. V. 4601: The calculation of the interaction of non-stationary shock waves with barriers.
- Ruscior, Stefanie. 4271: Correspondances par hyperplans tangents parallèles entre deux hypersurfaces régulières dans S_4 affine.
- Russell, J. E. 4666: Note on the Born series.
- Ruston, A. F. 6722: A note on the greatest crossnorm.
- Rutherford, D. E. 6092: Inverses of Boolean matrices.
- Rutickii, Ja. B. 1740: Some theorems from a theory of Orlicz spaces. 7146: (with Krasnosel'skii, M. A.) Some approximate methods of solving non-linear operator equations by linearization.
- Rutishauser, Heinz. 383: Bemerkungen zur glatten Interpolation. 3198: Bemerkungen zur numerischen Integration gewöhnlicher Differentialgleichungen n -ter Ordnung. 3218: (with Engel, M.; Ginsburg, Th. and Stiefel, E.) Refined iterative methods for computation of the solution and the eigenvalues of self-adjoint boundary value problems.
- Rutman, M. A. 6593: Criteria for the boundedness of solutions of linear partial differential equations with a leading term.
- Rutovitz, D. 5404: Absolute and unconditional convergence in normed linear spaces.
- Rvačev, V. L. 939: (with Belik, G. I.) On the basic integral equation of the contact problem of the theory of elasticity for a semispace whose modulus of elasticity is a power of the depth.
- Ryan, F. B. 2615: (with MacLane, G. R.) On the radial limits of Blaschke products.
- Ryan, Robert. 2621: Boundary values of analytic vector valued functions.
- Rybarski, A. 2683: Angenäherte charakteristische Gleichungen der nichtlinearen konservativen Schwingungssysteme.
- Rybín, P. P. 5386: (with Kuznecov, Ju. M.) On a non-linear singular integral equation.
- Rybík, A. K. 4239: On spaces of affine connection without curvature of the first class.
- Rychlewski, J. 7243: (with Olszak, W. and Urbanowski, W.) Plasticity under non-homogeneous conditions.
- Rydberg, Sven. 852: Methods of correcting correlations for indirect restriction of range with non-interval data.
- Ryff, John V. 393: Ordinary differential equations determined by contracting vector fields. 5016: On subdeterminants of some convex sets of matrices.
- Ryll-Nardzewski, C. 4214: Example of a non-separable B_θ -space in which every bounded set is separable. 5606: (with Blackwell, D.) Non-existence of everywhere proper conditional distributions. 6691: (with Hartman, S.) Anerkennung der Priorität.
- Rylov, Ju. A. 4786: Relative localization of a gravitational field.
- Rylov, Yu. A. = Rylov, Ju. A.
- Ryndina, V. V. 1669: On approximation by Laguerre polynomials in a complex region.
- Ryser, H. J. 3714: Matrices of zeros and ones. 4935: (with Fulkerson, D. R.) Multiplicities and minimal widths for $(0, 1)$ -matrices. 6068: (with Fulkerson, D. R.) Width sequences for special classes of $(0, 1)$ -matrices.
- Rzewuski, J. 5877: Quantum field theory without operators.
- Sabaneev, V. S. 3298: Apparent masses of an elliptic cylinder in motion in a fluid bounded by a plane wall or a free surface.
- Sabidussi, Gert. 4345: The lexicographic product of graphs.
- Sachenkov, A. V. 7222: The buckling surfaces of thin shells with a local loss of stability.
- Sachenkov, A. V. = Sačenkov, A. V.
- Sachs, Mendel. 3357: (with Schwebel, Solomon L.) On covariant formulations of the Maxwell-Lorentz theory of electromagnetism.
- Sachs, R. K. 3495: On the characteristic initial value problem in gravitational theory. 7393: Gravitational waves in general relativity. VIII. Waves in asymptotically flat space-time. 7394: Asymptotic symmetries in gravitational theory.
- Sackaja, N. S. 423: On the solution of a first-order differential equation with small parameter, not solved in terms of the derivative. 5241: On a differential equation with a small parameter.
- Sacks, Gerald E. 3604: On the degrees less than 0°.
- Sacksteder, Richard. 1425: A remark on equipartitioning and metric transitivity. 1833: The rigidity of hypersurfaces.
- Sadovnikov, B. I. 1582: (with Bogoliubov, N. N., Jr.) Periodic solutions of differential equations of the n -th order with a small parameter.
- Sadowska, D. 450: Problème aux limites aux dérivées tangentielles pour l'équation elliptique dont les coefficients dépendent d'une fonction inconnue.
- Sasaki, Takuji. 704: Affine transformations in a differentiable manifold with Π -structure.
- Safarević, I. R. 1310: (with Demulin, S. P.) The second obstruction for the imbedding problem for the field of algebraic numbers.
- Safonov, S. A. 2506: (with Rusakov, S. A.) The connection between the structure of a finite group and its σ, τ -commutators subgroup.
- Sagle, Arthur A. 1343: Malcev algebras.
- Sahasov, A. A. 4422: A service problem with unusual demand. 7060: Service by devices with different output.
- Sahney, B. N. 4107: On the determination of jump of a function by its conjugate series. 4108: On the Borel summability of double Fourier series. 4109: On the harmonic summability of Fourier series. 5350: Some Tauberian conditions for summability (R' , p) of trigonometrical series.
- Sahović, L. A. 2675: The discrete spectrum of the Schrödinger radial equation. 3968: A transform operator method for equations of higher order.

- Sahnovskii, È. G. 4613: (with Ufliand, Ia. S.) The influence of anisotropic conductivity on the unsteady motion of a conducting gas in a plane channel.
- Sain, B. M. 2537: Representation of generalized heaps. 3810: Representation of semigroups by binary relations.
- Saint-Guilhem, René. 3237: ★Les principes de l'analyse dimensionnelle. Invariance des relations vectorielles dans certains groupes d'affinités.
- Saito, Masahiko. 255: Sous-groupes discrets des groupes résolubles.
- Saito, Teishirō. 631: Some theorems on the crossed products of finite factors. 5440: On a representation of a countably infinite group.
- Saito, Tomoyuki. 2194: The boundary-perturbation method for tensor-fields.
- Saito, Tōru. 2533: Ordered idempotent semigroups.
- Sakaguchi, Kōichi. 6383: A note on p -valent functions.
- Sakaguchi, Minoru. 3522: Duality in mathematical programming. 5992: Information, selective and strategic, and decision-making.
- Sakai, Akira. 6399a: Existence of pseudo-analytic differentials on Riemann surfaces. I. 6399b: Existence of pseudo-analytic differentials on Riemann surfaces. II.
- Sakaishi, Hideo. 5140: Notes on Pringsheim's theorem and Hadamard's gap-theorem.
- Sakata, Hiroshi. 2777: On Tauberian theorems of W. B. Jurkat.
- Sakhnovskii, È. G. = Sahnovskii, È. G.
- Sakuma, M. 2466: (with Muhly, H. T.) Some multiplicative properties of complete ideals.
- Sakurai, Takeo. 7295: On the mechanics of a magnetohydrodynamical twin wake. 7299: (with Naito, Makoto) Steady two-dimensional channel flow of an incompressible perfect fluid with small electric conductivity in the presence of nonuniform magnetic fields.
- Salam, A. 3439: (with Ward, J. C.) Vector field associated with the unitary theory of the Sakata model.
- Šalát, Tibor. 2762: Über einen Satz von A. Chinčin. 4981: Cantorsche Entwicklungen der reellen Zahlen und das Hausdorffsche Mass.
- Sălceanu, C. 990: (with Zăgănescu, M.) L'influence de l'épaisseur des parois d'un tube de résonance servant à la mesure de la vitesse du son dans les liquides.
- Sales Vallés, Francisco de A. 4447: On regression functions.
- Sallihov, N. P. 298: Bounds for the zeros of a polynomial. 5737: Polar difference methods for solving the Cauchy problem for a system of ordinary differential equations.
- Sallay, Melanie. 4189: Sur un procédé d'approximation avec des conditions aux limites.
- Salmanova, D. G. 5303: Application of the method of expansion into eigenfunctions of the principal part of the equation for solving mixed problems for a second-order equation on the interval $(0, \infty)$.
- Salmon, J. 4736: Étude générale de la relaxation d'un système de particules.
- Salmon, Paole. 150: Sur les séries restreintes et convergentes. 2464: Sur les séries formelles restreintes.
- Salomaa, Arto. 2356: A theorem concerning the composition of functions of several variables ranging over a finite set. 3612: On the number of simple bases of the set of functions over a finite domain 3613: Some completeness criteria for sets of functions over a finite domain. I.
- Salvadori, Luigi. 5253: Sulla ricerca di una funzione di Liapounoff per un sistema differenziale interessante la meccanica dei sistemi dinamici.
- Salzer, Herbert E. 3184: Multiple quadrature with central differences on one line. 4482: Multiple quadrature with backward differences. 7132: Optimum-point formulas for osculatory and hyperosculatory interpolation. 7133: Note on osculatory rational interpolation 361: (with Levine, Norman) ★Table of sines and cosines of ten decimal places at thousandths of a degree.
- Salzman, Freda. 5865: (with Salzman, George) Single virtual particle exchange model of high-energy inelastic glancing collisions.
- Salzman, George. 5865: (with Salzman, Freda) Single virtual particle exchange model of high-energy inelastic glancing collisions.
- Salzmann, Helmut. 666: Kompakte Ebenen mit einfacher Kollinearitätsgruppe.
- Samanski, V. E. 1989: Convergence of iterative processes. 4464: On certain numerical schemes for iteration processes. 685: (with Novik, A. S.) On the approximation of functions of several variables by the method of least squares.
- Samarskii, A. A. 5746: A priori bounds for difference equations. 5747: On the convergence and accuracy of homogeneous difference schemes for one-dimensional and higher-dimensional parabolic equations. 4494: (with Tihonov, A. N.) On the stability of difference schemes.
- Šamboan, G. = Simboan, G.
- Samedova, S. A. 570: Asymptotic stability of solutions of an integro-differential equation in an L_p space. 571: Asymptotic stability of the solution of an integro-differential equation of a certain class.
- Samelson, Hans. 3816: (with Montgomery, Deane) On the action of $SO(3)$ on S^2 .
- Šamina, O. G. 3282: (with Rizničenko, Ju. V.) Multiple reflected and transmitted waves.
- Samoilenco, A. M. 378: On the continuous dependence of solutions of differential equations on the parameter. 1529: Application of the averaging method to the investigation of oscillations, induced by instantaneous impulses in self-oscillating systems of the second order with a small parameter. 1530: A case of continuous dependence on a parameter for solutions of differential equations.
- Sampei, Yoemon. 4920: On the uniformization of the complement of an analytic set. 4921: On the uniformization of a set of class A_{pc} .
- Samsonov, V. A. 1571: On the stability of solutions of systems of differential equations in certain cases.
- Samuel, Isaac. 5013: (with Gouarné, René) Introduction à l'étude des matrices multidimensionnelles. 5014: (with Gouarné, René) Déterminants des matrices à N dimensions d'ordre n .
- Samuel, Pierre. 2458: ★Progrès récents d'algèbre locale.
- Sanchis, Luis Elpidio. 8: A new proof of the functional completeness of the two-valued propositional calculus.
- Sancho, F. J. 2045: Action principle for classical fields. 4648: (with Garrido, L. M.) Approximate validity of the adiabatic theorem of quantum mechanics. 7199: (with Garrido, L. M. and Gasco, F.) General theory of perturbations in classical mechanics.
- Sancho de San Román, Juan. 6160: Contribution to the study of non-trivial valuations subordinate to a given valuation. 6161: Contribution to the study of non-trivial valuations subordinate to a given valuation.
- Sancho de San Román, J. = Sancho de San Román, Juan.
- Sandberg, I. W. 7472: On the theory of linear multi-loop feedback systems.
- Sandberg, V. Ju. 1843: Lipschitz spaces.
- Sander, K. F. 4074: Solutions of certain finite difference equations connected with Laplace's equation.
- Sanders, J. Lyell, Jr. 4541: Nonlinear theories for thin shells. 953: (with Budiansky, Bernard and Hashin, Zvi) The stress field of a slipped crystal and the early plastic behavior of polycrystalline materials.
- Sanderson, B. J. 5589: (with Schwarzenberger, R. L. E.) Non-immersion theorems for differentiable manifolds.
- Sandler, Reuben. 2934: The collineation groups of free planes. 5034: Autotopism groups of some finite non-associative algebras. 6220: The collineation groups of some finite projective planes. 6243: (with Gorenstein, Daniel and Mills, W. H.) On almost-commuting permutations.
- Sands, A. D. 189: On the factorisation of finite abelian groups. II. 5051: The factorization of abelian groups. II.
- Sangren, W. C. 4657: (with Roos, B. W.) Spectral theory of Dirac's radial relativistic wave equation.
- San Juan-Llosá, Ricardo. 4083: The problem of uniqueness in the theory of divergent series and some of its aspects, arithmetical and functional.
- de San Román, Juan Sancho. See Sancho de San Román, Juan.
- Sansone, G. 2678: Les intégrales de l'équation de M. Dini $xy'' + y' = \sin y$ pour $x \rightarrow 0$. 6490: L'equazione differenziale del Dini $xy'' + y' = \sin y$.
- Santaló, L. A. 6857: On complete systems of inequalities between elements of a plane convex figure. 6904: On the Gauss-Bonnet formula for polyhedra in spaces of constant curvature. 3571: (with Babini, J. and González Domínguez, A.) Julio Rey Pastor.

- Santoro, Paolo.** 1526: Convergenza delle approssimazioni successive per le equazioni differenziali di ordine n . 6489: Sistemi differenziali quasi lineari con condizioni lineari e teoremi di unicità.
- Šapiro, G. S.** 3287: On the motion of rigid-plastic bodies in a resisting medium.
- Šapiro, I. S.** 2242: On the dispersion theory of direct nuclear reactions.
- Šapiro, V. D.** 2267: (with Ševčenko, V. I.) The nonlinear theory of interaction between charged particle beams and a plasma in a magnetic field.
- Sapkarev, Ilija A.** 2664: Sur une équation différentielle linéaire du second ordre. 3960: Sur la solution d'une équation différentielle linéaire du second ordre.
- Sapožnikova, V. D.** 2630: (with Burago, Ju. D. and Maz'ja, V. G.) On the potential of a double layer for non-regular domains.
- Sarà, Guido.** 5800: Alcune considerazioni sulla instabilità flessotorsionale delle travi alte.
- Sargin, J. D.** 3512b: Laws and the stability of dynamic systems: a reply.
- Sario, Leo.** 2602: Value distribution under analytic mappings of arbitrary Riemann surfaces. 2603: Islands and peninsulas on arbitrary Riemann surfaces. 3396: Picard's Great Theorem on Riemann surfaces. 3397: Analytic mappings between arbitrary Riemann surfaces.
- Sarkadi, Károly.** 3139: On Galton's rank order test.
- Sárközy, A.** 3686: Über totalprimitive Folgen. 4975: Lattice cubes in 3-space.
- Sarmanov, O. V.** 1935: Investigation of stationary Markov processes by the method of eigenfunction expansion.
- Sasaki, Seibun.** 5895: On the type of the electromagnetic and strong mesonic interactions of the Fermions.
- Sasaki, Shigeo.** 2957: On the differential geometry of tangent bundles of Riemannian manifolds. II. 799: (with Hsu, Chen-Jung) On the integrability of almost contact structure.
- Sasao, Sedy.** 6975: (with Tamura, Itiro) Classification of $SO(n)$ -bundles over the quaternion projective plane.
- Sasaki, E.** 196: Negative solution of I. Kaplansky's first test problem for Abelian groups and a problem of K. Borsuk concerning cohomology groups. 152: (with Suliński, A.) A note on Jacobson radical.
- Šaškin, Ju. A.** 5418: Korovkin systems in spaces of continuous functions.
- Sastri, V. V. Subrahmanyam.** See Subrahmanyam Sastri, V. V.
- Sather, D.** 6662: Asymptotics. III. Stationary phase for two parameters with an application to Bessel functions.
- Sato, Daihachiro.** 3903: On the rate of growth of entire functions of fast growth.
- Sato, Iwao.** 7315: Normalization condition for the Bethe-Salpeter wavefunction and a formal solution to the Bethe-Salpeter equation.
- Sato, Keniti.** 5616: (with Tanaka, Hiroshi) Local times on the boundary for multi-dimensional reflecting diffusion.
- Sato, Tekul.** 1518: (with Hukuhara, Masuo) ★Theory of differential equations. 1837: (with Hirasawa, Yoshikazu and Murakami, Haruo) Non-linear equations.
- Saturovskii, L. I.** 7151: A numerical method of solving optimal control problems.
- Satyanarayana, M.** 65: Bounds of $\sigma(N)$.
- Satyanarayana, U. V.** 64: A note on Mersenne's numbers. 3653: On the inversion property of the Möbius' μ -function.
- Sauer, R.** 7164: La convergence stable du calcul numérique pour la résolution de problèmes à condition initiales.
- Savignon, E.** 755: Quelques applications de la théorie des graphes.
- Savin, G. M.** 3: 70th birthday of Nikolai Ivanovič Museliashvili.
- Savinov, G. V.** 3227: (with Velerstein, R. A.) The application of electronic analog computers to certain extremal problems.
- Sawaki, Sumio.** 5529: On analytic tensors in certain Hermitian manifolds. 5530: On almost-analytic vectors in almost-Hermitian spaces.
- Sawaragi, Yoshikazu.** 4836: (with Fukawa, Hiroshi) Synthesis of finite-settling-time systems under integrated-square error criterion. 4837: (with Fukawa, Hiroshi) Statistical synthesis of "complete" finite-settling-time systems. 4834: (with Sunahara, Yoshihumi and Nakamizo, Takayoshi) A study on the statistical synthesis of optimum non-linear control systems subjected to non-gaussian random inputs.
- 4835:** (with Sunahara, Yoshihumi and Soeda, Takashi) Statistical studies on the response of non-linear control systems subjected to a suddenly applied stationary random input.
- Sawyer, D. B.** 674: Lattice points in rotated convex sets.
- Sawyer, R. F.** 1118: Symmetry model for the new resonances.
- Saxena, R. B.** 525: On mixed type lacunary interpolation. I. 3127: On a generalization of Simpson's formula.
- Saxena, R. K.** 6448: Some formulae for the G -function. 6695: Some theorems on generalized Laplace transform. II.
- Sayılı, Aydin.** 2: ★Logical necessities in mixed equations by 'Abd al Hamid ibn Turk and the algebra of his time.
- Sazonov, V. V.** 6729: (with Prohorov, Ju. V.) Some results related to Bochner's theorem.
- Scarf, F. L.** 2196: (with Weiss, J.) A consistent operator solution for the Thirring model.
- Scarfone, L. M.** 1073: Heavy-body potentials in the Lee model. I. 1074: Heavy-body potentials in the Lee model. I. 5887: Bound states and dispersion relations in a model field theory.
- Ščerbakov, B. A.** 3247: Classification of Poisson-stable motions. Pseudo-recurrent motions.
- Ščerbakov, R. N.** 2961: The fundamental cylindroid of a line complex. 4267: Non-holonomic W congruences. 5493: Equi-affine invariant non-holonomic congruences of a line complex.
- Ščerbina, V. A.** 3416: Local regularizations of the coefficient functions of a scattering matrix.
- Schaal, Hermann.** 4264: Zur Konstruktion der Krümmungskreise des scheinbaren Umrißes einer Fläche bei Zentral- oder Parallelprojektion.
- Schaal, Werner.** 108: Übertragung des Kreisproblems auf reell-quadratische Zahlkörper.
- Schaefer, H. = Schaefer, Helmut H.**
- Schaefer, Helmut H.** 1765: Über die Additivität von Spektralmassen. 5429: Some nonlinear eigenvalue problems. 7163: Diskontinuierliche Rechenmethoden bei Randwertproblemen.
- Schaeffer, Esther.** 3150: (with Dwyer, Paul S.) Computation with multiple k -statistics.
- Schäffer, J. J.** 6178: Projections. 6499: Linear differential equations and functional analysis. VII. Equations on $(-\infty, +\infty)$. 6747: Sur une classe de treillis vectoriels topologiques.
- Schäfke, Friedrich Wilhelm.** 1512: (with Groh, Helmut) Zur Berechnung der Eigenwerte der Sphäroiddifferentialequation.
- Schechter, Martin.** 4032: Some unusual boundary value problems. 4210: Coerciveness in L^p .
- Scheffé, Henry.** 7084: Simultaneous interval estimates of linear functions of parameters.
- Scheffer, C. L.** 3110: On Elfving's problem of imbedding a time-discrete Markov chain in a time-continuous one for finitely many states. II.
- Scheinman, A. H.** 6005: A method for simplifying Boolean functions.
- Scheja, Günter.** 6437: Riemannsche Hebbarkeitssätze für Cohomologieklassen.
- Schellekens, G. J.** 641a: On a hexagonal structure. I. 641b: On a hexagonal structure. II.
- Schenkman, E. V.** 6204: Roots of centre elements of division rings.
- Scherk, P.** 5454: On ordered geometries.
- Scherzer, W.** 5480: Die Grundgleichungen der Flächentheorie. III.
- Scheuer, Ernest M.** 1955: (with Spurgeon, Robert A.) Some percentage points of the non-central t -distribution.
- Schick, L. H.** 3401: Multiple-scattering analysis of the three-body scattering problem.
- Schick, Helmut.** 182: Das Adjunktionsproblem der Gruppentheorie.
- Schiff, H.** 5879: (with Betta, D. D. and Strickfaden, W. B.) Approximate solution of a nonlinear field equation.
- Schiffer, Menahem Max.** 1236: (with Szegő, Gabor; Loewner, Charles; Bergman, Stefan; Neyman, Jerzy; Gilberg, David and Solomon, Herbert; co-editors) ★Studies in mathematical analysis and related topics: Essays in honor of George Pólya.
- Schild, A.** 7421: (with Robinson, I.) Generalization of a theorem by Goldberg and Sachs.
- Schiller, Ralph.** 1122: Quasi-classical theory of a relativistic spinning electron.
- Schilow, G. E. = Šilov, G. E.**

- Schinzel, A. 1280: On primitive prime factors of $a^n - b^n$. 6108: Remarque au travail de W. Sierpiński sur les nombres $a^p + 1$.
- Schlesinger, Ernest C. 312: On transversals of simply connected regions. 1481: Solvable functions for the Dirichlet problem.
- Schlichting, H. 3319: ★Entstehung der Turbulenz.
- Schmetterer, L. 4496: Über eine allgemeine Theorie der erwartungstreuen Schätzungen.
- Schmidt, G. 7227: Anwendung der Theorie nichtlinearer Integralgleichungen in der Elastokinematik.
- Schmidt, Jochen W. 5425: Ein Vergleichssatz unter Verwendung höherer Ableitungen. 5442: Eine Übertragung der Regula Falsi auf Gleichungen in Banachräumen. I. 7141: Zur Fehlerabschätzung nähерungsweiser Lösungen von Gleichungen in halbgeordneten Räumen. 5733: (with Schoenheinz, Hartmut) Fehlerabschranken zum Differenzenverfahren unter ausschließlicher Benutzung verfügbarer Größen.
- Schmidt, W. = Schmidt, Wolfgang M.
- Schmidt, Wolfgang M. 3675: On the Minkowski-Hlawka theorem. 6428: Über das Verhalten der Lösungen eines verallgemeinerten Cauchy-Riemannschen Differentialgleichungssystems in der Umgebung von isolierten Singularitäten der Koeffizienten.
- Schneider, David I. 2341: (with Bartee, Thomas C.) An electronic decoder for Bose-Chaudhuri-Hoquenghem error-correcting codes.
- Schneider, Hans. 6184: (with Carlson, David) Inertia theorems for matrices: the semi-definite case. 6185: (with Carlson, David) Inertia theorems for matrices: the semidefinite case. 124: (with Ostrowski, Alexander) Some theorems on the inertia of general matrices.
- Schnitzer, H. J. 4680: (with Greenberg, O. W. and Sudarshan, E. C. G.) Completeness identity in field theory.
- Schoenberg, I. J. 4318: On the Besicovitch-Perron solution of the Kakapo problem.
- Schoenebein, Hartmut. 5733: (with Schmidt, Jochen W.) Fehlerabschranken zum Differenzenverfahren unter ausschließlicher Benutzung verfügbarer Größen.
- Schönberg, Mario. 3377: Quantum mechanics and geometry. III. 3378: Quantum mechanics and geometry. IV. 3379: Quantum mechanics and geometry. V. 5881: (with de Rocha Barros, Alberto Luiz) On the Clifford and Jordan-Wigner algebras.
- Schönhage, Arnold. 3680: Eine Bemerkung zur Konstruktion grosser Primzahlzahlen.
- Schönhöfer, Alfred. 2272: Zum Wannierschen Theorem.
- Schooley, J. F. 2183: (with Ambler, E. and Eisenstein, J. C.) Traces of products of angular momentum matrices. II. Spherical basis.
- Schöpf, Hans-Georg. 1015: Zur Relativitätstheorie der Dielektrika.
- Schreiber, M. 5424: Absolutely continuous operators.
- Schröder, Johann. 3192: Verbesserung einer Fehlerabschätzung für gewöhnliche Differentialgleichungen erster Ordnung. 7147: Computing error bounds in solving linear systems.
- Schröder, U. 2240: (with Diehl, H.; Flügge, S.; Völkel, A. and Weiguny, A.) Zum quantenmechanischen Dreikörperproblem. I. Grundlagen.
- Schrödinger, Erwin. 7376: ★Statistical thermodynamics.
- Schücking, E. 1186: (with Heckmann, O.) Relativistic cosmology.
- Schuster, S. 6954: (with Dirac, G. A.) Corrigendum: "A theorem of Kuratowski".
- Schütte, Kurt. 24: Der Interpolationssatz der intuitionistischen Prädikatenlogik. 2354: Syntactical and semantical properties of simple type theory. 5479: Minimal Durchmesser endlicher Punktmengen mit vorge schriebenem Mindestabstand.
- Schützenberger, M. P. 350: On a theorem of R. Jungen. 1235: A remark on finite transducers. 3805: On a family of submonoids.
- Schwabhäuser, Wolfram. 5453: Über die Nichtdefinierbarkeit einiger Begriffe der hyperbolischen Geometrie mit elementaren Mitteln.
- Schwartz, H. M. 2284: Axiomatic deduction of the general Lorentz transformations.
- Schwartz, J. 597: A remark on inequalities of Calderon-Zygmund type for vector-valued functions. 1759: Subdiagonalization of operators in Hilbert space with compact imaginary part. 4679: Free quantized Lorentzian fields. 6812: Two finite, non-hyperfinite, non-isomorphic factors.
- Schwartz, Laurent. 919: ★Méthodes mathématiques pour les sciences physiques.
- Schwartz, Marie-Hélène. 4370: Espaces pseudo-fibrés et systèmes obstructeurs.
- Schwarz, Binyamin. 5376: On the least positive eigenvalue of integral equations with equimeasurable kernels. 6482: Some results on the frequencies of non-homogeneous rods.
- Schwarz, R. J. 3540: (with Bluestein, L. I.) Optimum zero memory filters.
- Schwarz, W. H. 7277: (with Caswell, B.) The creeping motion of a non-Newtonian fluid past a sphere.
- Schwarz, Wolfgang. 6140: Zur Darstellung einer Zahl als Summe einer k -ten Potenz einer potenzfreien Zahl und einer g -ten potenzfreien Zahl. 6408: Eine Bemerkung über fast-ganzwertige Funktionen.
- Schwarzenberger, R. L. E. 5590: Embeddings in Euclidean space. 5589: (with Sanderson, B. J.) Non-immersion theorems for differentiable manifolds.
- Schwebel, Solomon L. 3357: (with Sachs, Mendel) On covariant formulations of the Maxwell-Lorentz theory of electromagnetism.
- Schweber, Silvan S. 4646: The Bethe-Salpeter equation in nonrelativistic quantum mechanics.
- Schweizer, B. 3093: (with Sklar, A.) Statistical metric spaces arising from sets of random variables in Euclidean n -space.
- Schwerdtfeger, Hans. 3770: Über eine spezielle Klasse Frobeniuscher Gruppen.
- Seognamiglio, Gennare. 2380: Operazioni parametrizzate ed orientamenti di un ipercubo, in un'algebra di Boole. 6089: Alcuni problemi booleani trattati con le coordinate in un sistema ortonormale.
- Scott, D. S. 1263: Measurable cardinals and constructible sets. 28: (with Frayne, T. and Morel, A. C.) Reduced direct products.
- Scott, Dana. = Scott, D. S.
- Scott, Elizabeth L. 5966: (with Neyman, Jerzy) Contribution to the study of the abundance of multiple galaxies.
- Scott, T. 1326: The complete irreducible system of invariants of three quadratics.
- Scott, W. T. 1499: (with Merkes, E. P.) Starlike hypergeometric functions. 316: (with Merkes, E. P. and Robertson, M. S.) On products of starlike functions.
- Scourfield, E. J. 2396: The divisors of a quadratic polynomial.
- Sokulin, K. K. 1364: On the theory of radicals in groups.
- Sears, W. R. 2151: On a boundary-layer phenomenon in magneto-fluid dynamics.
- Sedivá-Trnková, Věra. 3006: Non- F -spaces. 3637: On the theory of categories.
- Sedov, L. I. 5782: ★Introduction to continuum mechanics.
- Setef', Z. G. 444: (with Roitberg, Ja. A.) On equations of elliptic type with discontinuous coefficients. 4629: (with Roitberg, Ja. A.) General boundary-value problems for elliptic equations with discontinuous coefficients. 5441: (with Roitberg, Ja. A.) Energy inequalities for elliptic operators with discontinuous coefficients and for general boundary conditions and conjugacy conditions.
- Segal, I. E. 1075: Mathematical characterization of the physical vacuum for a linear Bose-Einstein field. (Foundations of the dynamics of infinite systems. III). 1774: ★Mathematical problems of relativistic physics.
- Segal, Sanford L. 6636: On a sine functional equation.
- Segel, Lee A. 3318: The non-linear interaction of two disturbances in the thermal convection problem. 4031: Application of conformal mapping to boundary perturbation problems for the membrane equation.
- Segre, Beniamino. 4224: Alcune questioni su insiemi finiti di punti in geometria algebrica. 6031: L'opera scientifica di Francesco Severi. 6851: Ovali e curve nei piani di Galois di caratteristica due.
- Segré, Emilio. 4772: (with Friedlander, Gerhart and Meyerhof, Walter E.; co-editors) ★Annual review of Nuclear Science. Vol. 12.
- Seibert, Peter. 6527: Stability under perturbations in generalized dynamical systems.
- Seiden, Esther. 1977: On necessary conditions for the existence of some symmetrical and unsymmetrical triangular PBIB designs and BIB designs.
- Seldman, Thomas I. 6801: Correction: "Linear transformations of a functional integral. I".

- Seifert, George. 6500: Almost periodic solutions for systems of differential equations near points of nonlinear first approximation.
 6501: Stability conditions for separation and almost periodicity of solutions of differential equations. 6754: A class of vector functions with linear norms.
- Sekanina, Milan. 5067: On certain existence questions on the factorization of an infinite cyclic group.
- Seki, Setsuya. 4916: Programs for mathematical proofs by machines—present status of inferential analysis.
- Selberg, Henrik L. 3339: Gas flow and distribution of pressure in a detonating sphere in simultaneous initiation across the entire surface.
- Selberg, Sigmund. 2427: A generalisation of a theorem of Romanoff.
- Selenius, Claes-Olof. 1282: On the relative approximation of regular continued fractions.
- Šełepin, L. A. 2175: Covariant theory of relativistic wave equations.
- Semadeni, Z. 5415: Isomorphic properties of Banach spaces of continuous functions. 6749: Functions with sets of points of discontinuity belonging to a fixed ideal. 4169: (with Isbell, J. R.) Projection constants and spaces of continuous functions.
- Sembenotti, L. 2914: (with Morgantini, E.) Sulla costruzione gruppale della geometria ellittica della stella. I. 2915: (with Morgantini, E.) Sulla costruzione gruppale della geometria ellittica della stella. II.
- Semenedjaev, K. A. 2025: (with Godunov, S. K.) Difference methods for numerical solution of the problems of gas dynamics.
- Semenov, E. M. 2870: A scale of spaces with an interpolation property.
- Semetkova, L. A. 222: On a theorem of Hall. 1358: On a theorem of Iwasawa. 5047: Imbedding theorems and maximal subgroups of finite groups.
- Sen, A. R. 5814: Deep-water surface waves due to arbitrary periodic pressures.
- Sen, N. R. 5857: On the question of 'simplicity' of linear field laws.
- Sen, P. 4645: Two-component first-order wave equations. 7360: Metric fields. IV. Baryon meson mass spectrum.
- Sen, P. K. 7104: On studentized non-parametric multi-sample location tests.
- Sen, R. N. 4291: On an algebraic system of conformal Riemannian spaces.
- Sendov, Blagovest. 6655: Approximation of functions by algebraic polynomials relative to a metric of Hausdorff type. 590: (with Penkov, B.) The s -entropy and s -capacity of the space of continuous functions.
- Sengupta, Dipak L. 3477: The static potential attained by an infinite cylinder immersed in a moving and low density plasma of infinite extent.
- Sen Gupta, Priyansu. 2319: Pulsating universe.
- Senik, P. M. 424: Application of the u -method to a non-autonomous system with strong nonlinearity.
- Sen'kin, E. P. 723: Unique determination of a class of general convex surfaces with boundary. 4023: On the stability of solutions of equations of elliptic type.
- Serebrjakova, V. S. 5226: Circular motions of connected pendula.
- Sergienko, V. I. 1354: Classes and complexes of subgroups of finite groups.
- Serini, Rocco. 6865: Cella caratteristica di un reticolato.
- Serre, Jean-Pierre. 103: Sur les corps locaux à corps résiduel algébriquement clos. 1733: Endomorphismes complètement continus des espaces de Banach p -adiques.
- Serrin, James. 2729: (with Jenkins, Howard) Variational problems of minimal surface type. I.
- Servanty, Pierre. 4696: (with Marchal, Raymond) Sur l'interaction de deux ondes de choc se propageant dans la même direction.
- Seshadri, C. S. 2454: On a theorem of Weitzenböck in invariant theory. 6169: Some results on the quotient space by an algebraic group of automorphisms.
- Seshadri, S. R. 1022: Diffraction of a plane wave by a unidirectionally conducting half-plane.
- Seshadri, Vanamamalai. 3157: Constructing uniformly better estimators.
- Seshu, Lily. 6142: On the simultaneous representation of a given pair of integers as the sum respectively of four integers and their squares. I, II.
- Seshu, S. 3554: (with Freeman, D. N.) The diagnosis of asynchronous sequential switching systems. 4638: (with Reed, Myril B.) ★Linear graphs and electrical networks.
- Sestakov, A. A. 3986: The asymptotic behavior of multi-dimensional systems of differential equations.
- Sestopal, A. F. 3286: (with Beresovskii, A. A.) Integro-differential equations of local stability of shallow shells.
- Sestopalov, V. P. 3360: (with Agranović, Z. S. and Marčenko, V. A.) The diffraction of electromagnetic waves from plane metallic lattices.
- Seth, B. R. 3255: Asymptotic phenomena in large torsion. 3257: On a functional equation in finite deformation.
- Ševčenko, V. I. 1604: A local homeomorphism of 3-space realizable by the solution of a certain elliptic system. 2267: (with Šapiro, V. D.) The nonlinear theory of interaction between charged particle beams and a plasma in a magnetic field.
- Ševrín, L. N. 2527: Semigroups with certain types of subsemigroup lattices. 3863: On the general theory of semigroups. 6285: Semigroups with a modular lattice of subsemigroups. 6284: (with Kopytov, V. M.) Semigroups with relatively complemented subsemigroups.
- Sevruk, I. G. 3350: Uniqueness of the solution of the fundamental problem of magnetohydrodynamics.
- Shah, B. K. 1953: Distribution of definite and of indefinite quadratic forms from a non-central normal distribution.
- Shah, Dao-shing = Shah, Tao-shing.
- Shah, S. M. 6409: (with Gray, Alfred) A note on entire functions and a conjecture of Erdős. 1465: (with Macintyre, A. J.) On an extension of a theorem of Bernstein to meromorphic functions.
- Shah, Tao-shing. 4174: On conditionally positive-definite generalized functions. 1453: (with Fan, Le-le) On the parametric representation of quasi-conformal mappings.
- Shail, R. 3921: On some axisymmetrical two sphere potential problems.
- Shamihoka, A. C. 2997: On the subspaces of a Finsler space. 4302: Frenet's formulae and curvatures in a generalised Finsler space.
- Shamir, Eliahu. 582: Une propriété des espaces $H^{q,p}$.
- Shapiro, H. S. 4511: Some remarks on modular arithmetic and parallel computation. 6371: (with Newman, D. J.) The Taylor coefficients of inner functions. 2017: (with Shields, A. L.) On the zeros of functions with finite Dirichlet integral and some related function spaces. 4168: (with Shields, A. L.) Interpolation in Hilbert spaces of analytic functions.
- Shapiro, I. S. = Šapiro, I. S.
- Shapiro, Victor L. 5339: Topics in Fourier and geometric analysis.
- Sharkas, Haydar. 2850: (with Kennedy, E. S.) Two medieval methods for determining the obliquity of the ecliptic.
- Sharma, P. L. 1693: On the strong summability of double Fourier series.
- Sharpies, A. 991: An approximate method in high-frequency scattering.
- Shashkevich, Michael. 6375: Remark on a Fejér's inequality which is used in the Weierstrass factorization theorem.
- Shekhar, Kaushik Chandra. See Chandra Shekhar, Kaushik.
- Sheldon, J. W. 2019: (with Squier, D. P.) Remarks on the order of convergence of discrete analogs for second-order elliptic partial differential equations.
- Shelepin, L. A. = Šełepin, L. A.
- Shen, M. C. 7250: (with Meyer, R. E.) On the radial spreading of water waves.
- Shephard, G. C. 4256: Inequalities between mixed volumes of convex sets.
- Shercliff, J. A. 2138: Magnetohydrodynamic pipe flow. II. High Hartmann number.
- Sherman, Seymour. 6504: A third-order nonlinear system arising from a nuclear spin generator. 1943: (with Masterson, Gregory E.) On queues in tandem.
- Sherwood, A. A. 3266: The application of Fourier series to the solution of the St. Venant torsion problem.
- Shibata, Kōichi. 321: On complex Dirichlet principle. 6405: (with Ikoma, Kazuo) On distortions in certain quasiconformal mappings.
- Shield, Richard Thorpe. 4589: Optimum design methods for multiple loading. 3265: (with Fosdick, R. L.) Small bending of a circular

- bar superposed on finite extension or compression. 3278: (with Green, A. E.) On certain methods in the stability theory of continuous systems.
- Shields, Allen.** 6411: On quotients of exponential polynomials. 2617: (with Shapiro, H. S.) On the zeros of functions with finite Dirichlet integral and some related function spaces. 4168: (with Shapiro, H. S.) Interpolation in Hilbert spaces of analytic functions. 332: (with Brown, Leon and Zeller, Karl) On absolutely convergent exponential sums.
- Shih, Weishu.** 1893: Homologie des espaces fibrés. 4357: Sur le groupe de cohomotopie. 5573: Sur le groupe des classes d'homotopie des applications d'un espace dans un groupe topologique.
- Shikata, Yoshihiro.** 787: (with Araki, Shôrô) Cohomology mod 2 of the compact exceptional group E_8 .
- Shimada, Nobuo.** 5569: (with Yamanoshita, Tsumeyo) On triviality of the mod p Hopf invariant.
- Shimamoto, Y.** 3426: Graph theory and parametric representations of Feynman amplitudes.
- Shimizu, Hideo.** 2641: On discontinuous groups operating on the product of the upper half planes.
- Shimizu, Ryoichi.** 7073: Characterization of the normal distribution. II.
- Shimogaki, Tetsuya.** 6744: (with Nakano, Kazumi) A note on the cut extension of C -spaces.
- Shimony, Abner.** 2254: (with Lebowitz, Joel L.) Statistical mechanics of open systems.
- Shimura, Goro.** 84: On the zeta-functions of the algebraic curves uniformized by certain automorphic functions. 3694: Arithmetic of alternating forms and quaternion hermitian forms.
- Shiraishi, N.** 4543: (with DiMaggio, F. L.) Perturbation solution for the axisymmetric vibrations of prolate spheroidal shells.
- Shirkov, D. V. = Širkov, D. V.**
- Shirokov, M. I. = Širokov, M. I.**
- Shirota, Taira.** 6591: On the propagation of regularity of solutions of partial differential equations with constant coefficients.
- Shisha, O.** 5110: (with Cargo, G. T.) Bounds on ratios of means.
- Shivakumar, P. N.** 2068: Dislocation of translation of the material whose cross-section is bounded by two concentric ellipses. 7223: Dislocations in isotropic cylinders of eccentric circular cross-sections.
- Shockley, James E.** 6113: (with Brauer, Alfred) On a problem of Frobenius.
- Shoenfield, J. R.** 18: The form of the negation of a predicate.
- Shrikhande, S. S.** 1981: On a two-parameter family of Balanced Incomplete Block designs. 6008: A note on minimum distance binary codes. 1980: (with Singh, N. K.) On a method of constructing Symmetrical Balanced Incomplete Block Designs.
- Shtrikman, S.** 4549: (with Hashin, Z.) On some variational principles in anisotropic and nonhomogeneous elasticity. 4550: (with Hashin, Z.) A variational approach to the theory of the elastic behaviour of polycrystals.
- Shubik, Martin.** 4825: Some experimental non-zero sum games with lack of information about the rules. 7439: Incentives, decentralized control, the assignment of joint costs and internal pricing.
- Shukla, U.** 3757: On the projective cover of a module and related results.
- Shuler, Kurt E.** 1140: (with Weiss, George H. and Andersen, Knud) Studies in nonequilibrium rate processes. V. The relaxation of moments derived from a master equation.
- Švalko, N. Ju. = Švalko, N. Ju.**
- Sibirskii, K. S.** 2698: Uniform approximation of points of dynamical limit sets and motions in them.
- Sibuya, Masaaki.** 7180: A method for generating uniformly distributed points on N -dimensional spheres.
- Sibuya, Yasutaka.** 4000: Asymptotic solutions of a linear ordinary differential equation of n th order about a simple turning point. 5243: On perturbations of discontinuous solutions of ordinary differential equations. 6530: (with Iwano, Masahiro) Reduction of the order of a linear ordinary differential equation containing a small parameter.
- Siciak, Józef.** 309: On the equality of the radius and the span of the set with respect to the generating function $|z - \zeta|/(u(z)u'(\zeta))$. 351: A note on functions of several complex variables. 1482: On the monotonicity of Leja's extremal function $\Phi^{1,1}(z, E, f_\lambda)$ with respect to the parameter λ . 1495: On some extremal functions and their applications in the theory of analytic functions of several complex variables. 1746: On function families with boundary. 5183: A note on rational functions of several complex variables.
- Šídák, Zbyněk.** 5624: Integral representations for transition probabilities of Markov chains with a general state space.
- Sideriades, Lefteri.** 396: (with Argemi, José) Sur la singularité multiple définie par les formes homogènes des systèmes dynamiques plans.
- Šidlovskii, A. B.** 2395: Transcendency and algebraic independence of values of E -functions related by an arbitrary number of algebraic equations over the field of rational functions.
- Sierpiński, W.** 72: Sur la somme des chiffres de nombres premiers. 4957: Trois nombres tétraédraux en progression arithmétique. 4958: Sur les nombres triangulaires carrés. 4959: Sur les nombres triangulaires carrés. 6057: Projective and analytic sets. 6106: Sur les nombres qui sont sommes et différences de deux nombres premiers. 6107: Sur les nombres composés de la forme $a^m + 1$.
- Signorini, Antonio.** 637: (with Picone, Mauro) Calcolo di alcuni integrali che intervengono in un criterio sufficiente di minimo assoluto.
- Sik, F.** 242: Über die Beziehungen zwischen eigenen Spitzen und minimalen Komponenten einer 1-Gruppe.
- Sikkema, C. P.** 3398: Note on the Blatt-Biedenharn formalism.
- Sikorski, R.** 3583: Applications of topology to foundations of mathematics. 4192: Determinants in Banach spaces.
- Silberstein, J. P. O.** 6789: Symmetrisable operators.
- Si-lin', Li.** 7099: A congruence relation similar to x^2 with empirically determined parameters.
- Silli, Carlo.** 3346: Una osservazione sul moto verticale di un grave con resistenza quasi-newtoniana e subviscosa.
- Šilov, G. E.** 1616: The connection between the fundamental function and the fundamental solution of the Cauchy problem. 6765: (with Gelfand, I. M.) ★Verallgemeinerte Funktionen (Distributionen). II: Lineare topologische Räume. Räume von Grundfunktionen und verallgemeinerten Funktionen.
- Silva, C. N. De.** See De Silva, C. N.
- e Silva, João Andrade.** See Andrade e Silva, João.
- Silvey, S. D.** 5681: (with Darroch, J. N.) On testing more than one hypothesis.
- Simboan, G.** 1736: Approximation des fonctions continues par les fonctions étagées. 1913: (with Theodorescu, R.) On measure algebras. 3108: (with Theodorescu, R.) On generalized random processes.
- Simmons, George F.** 4145: ★Introduction to topology and modern analysis.
- Simmons, J. A.** 2069: (with Campbell, J. D. and Dorn, J. E.) On the dynamic behavior of a Frank-Rond source.
- Simoda, Seturo.** 4064: Traité sur la théorie des équations elliptiques et semi-linéaires. 4065: Traité sur la théorie des équations elliptiques et semi-linéaires. II.
- Simon, Arthur B.** 6304: The ideal space and Silov boundary of a sub-algebra of measures on a group.
- Simonov, N. I.** 5291: Necessary and sufficient conditions for selective invariance.
- Simons, James.** 5520: On the transitivity of holonomy systems.
- Simons, S.** 3796: On the product of semigroups. 6746: Partial orderings on real linear topological spaces.
- Simpson, Harold.** 3666: On tetrahedral numbers.
- Sinai, Ja. G.** 6356: Dynamical systems with countable Lebesgue spectrum. I. 6535: (with Arnol'd, V. I.) On small perturbations of the automorphisms of a torus.
- Sinden, F. W.** 3523: A geometric representation for pairs of dual quadratic or linear programs.
- Singal, M. K.** 1829: Union curves in a subspace V_n of a Riemannian V_m . 6835: Central quadric hypersurfaces in a Euclidean space of n dimensions.
- Singer, Ivan.** 586: Choquet spaces and best approximation. 2869: On best approximation of continuous functions. II. 4152: On Banach spaces with symmetric basis. 4153: Some remarks on best approximation in normed linear spaces. I. 4154: On Cesàro-

- bases in Banach spaces. 4155: Basic sequences and reflexivity of Banach spaces. 5393: Some characterizations of symmetric bases in Banach spaces.
- Singh, Avadhesh Narayan. 6029: (with Datta, Bibhutibhusan) ★History of Hindu mathematics: A source book. Part I: Numerical notation and arithmetic. Part II: Algebra.
- Singh, I. J. 3349: (with Chopra, K. P.) Thermodynamic properties of fluid flow across a magnetic field.
- Singh, N. K. 1980: (with Shrikhande, S. S.) On a method of constructing Symmetrical Balanced Incomplete Block Designs.
- Singh, S. K. 3888: Univalent and multivalent functions. 5163: (with Manjanathaiah, K.) On the growth of a class of entire functions.
- Singh, S. P. 4128: On certain properties of generalized Hankel transforms.
- Singh, Vikramaditya. 1444: Grunsky inequalities and coefficients of bounded schlicht functions.
- Singh, Virendra. 1095: Analyticity in the complex angular momentum plane of the Coulomb scattering amplitude. 3447: Ground-state energy of a boson gas.
- Singhai, B. C. 6686: On the Cesaro summability of the ultraspherical series.
- Singleton, Richard C. 4813: Steady-state properties of selected inventory models.
- Sion, M. 3853: (with Sjerve, D.) Approximation properties of measures generated by continuous set functions.
- Siraldinov, S. H. 7118: Asymptotic behavior of time series with a finite number of states. 796: (with Mamatov, M.) On mean convergence for densities.
- Sirazdinov, S. Kh. = Siraldinov, S. H.
- Sirčenko, Z. F. 1622: Application of an averaging method to the solution of partial differential equations.
- Sirenko, V. H. 2030: On the numerical method of averaging correctional functionals.
- Sirinbekov, M. 2637: Runge domains in the space of several complex variables.
- Širkov, D. V. 7346: On the structure of the vacuum trajectory.
- Širokov, M. L. 5876: On the Newton-Wigner coordinate for a scalar particle.
- Širotin, Ju. I. 6263: Magnetic symmetry of a tensor and the energy of magnetic anisotropy.
- Širovich, Lawrence. 2260: Kinetic modeling of gas mixtures.
- Širugue, Michel. 7363: (with Loupias, Guy and Trotin, Jean-Claude) Un schéma d'interactions fortes basé sur le groupe B_3 .
- Šilov, V. S. 1715: Applications of group elimination of unknowns in the problem of locating eigenvalues and eigenfunctions of a linear integral operator with symmetric kernel.
- Šitaram, K. 6852: A real non-Descartesian plane.
- Sjerve, D. 3853: (with Sion, M.) Approximation properties of measures generated by continuous set functions.
- Sjul, I. S. 2785: Expansion formula for the approximate calculation of double integrals.
- Skačkov, B. N. 1588: On the stability of the zero solution of an n th-order differential equation.
- Skibinsky, M. 5678: (with Cote, L.) On the inadmissibility of some standard estimates in the presence of prior information.
- Škil', M. I. 1531: Asymptotic behaviour of linear systems in the case of multiple roots of the characteristic equation. 398: (with Feščenko, S. F.) Asymptotic solution of a system of linear differential equations with small parameter multiplying the derivatives.
- Škil', N. I. = Škil', M. I.
- Šklansky, J. 2040: Conditional-sum addition logic.
- Šklar, A. 3093: (with Schweizer, B.) Statistical metric spaces arising from sets of random variables in Euclidean n -space.
- Šlijarenko, E. G. 734: Some questions in the theory of bicompleteifications. 5990: On the topological structure of locally bicomplete groups and their factor spaces. 6933: A theorem on mappings which lower the dimension. 6960: On a theorem of Vietoris and Begle.
- Školem, Th. 4890: Investigations on a comprehension axiom without negation in the defining propositional functions.
- Škopec, Z. A. 645: A general cyclographic mapping of non-Euclidean spaces and the method of Monge. 646: A mapping of space onto the plane by means of space curves. 4230: A generalization of the kinematic mapping of Blaschke and Grünwald.
- Škorjakov, L. A. 177: Rings with injective cyclic modules.
- Škorobogat'ko, V. Ja. 4208: Factorability of a differential operator and a theorem on differential inequalities.
- Škorohod, A. V. 3128: Stochastic equations for diffusion processes with a boundary. 7050: Additive functionals of a Brownian process.
- Škowroński, Janisław. 5231: The oscillatory property of the vibrations of the strong non-linear discrete mechanical systems.
- Škrádstad, Harold K. 3221: Combined analog-digital techniques in simulation.
- Škvorecov, G. E. 2781: (with Birman, M. Š.) On square summability of highest derivatives of the solution of the Cauchy problem in a domain with piecewise smooth boundary.
- Škvorecov, V. A. 1670: On trigonometrical series which converge to non-negative functions. 3870: On the relation between the D -integral and the totalization (T_{α}).
- Slater, Lucy Joan. 7094: Regression analysis.
- Slavnov, D. A. 4678: Exclusion of divergences from the scattering matrix.
- Slavutskii, I. S. 3687: (with Kiselev, A. A.) Some congruences for the number of representations as sums of an odd number of squares.
- Sledd, W. T. 4688: Regularity conditions for Karamata matrices.
- Slepian, David. 5636: On the zeros of Gaussian noise.
- Šliwiński, E. 5280: A problem on the multiplicity of eigenvalues of the Dirichlet problem for the Helmholtz equation. 5281: A certain problem in the theory of eigenvalues and eigenvectors for the equation of a plate and membrane.
- Šlobodeckij, L. N. 5412: Imbedding of spaces $W_p^{(l_1, \dots, l_n)}$ into Nikol'skij $H_p^{(l_1, \dots, l_n)}$ spaces.
- Šlugin, S. N. 608: Monotonic processes of two-sided approximations in a partially ordered convergence group. 2849: Modules over a K -space.
- Šlupecki, Jerzy. 6639: (with Pogorzański, Witold A.) Basic properties of deductive systems based on nonclassical logics. I, II. 6640: (with Pogorzański, Witold A.) A variant of the proof of the completeness of the first order functional calculus.
- Smale, S. 1896: A survey of some recent developments in differential topology.
- Smaranda, D. 4862: Démonstration du théorème de Birkhoff en congruences.
- Smart, John Roderick. 228: On modular forms of levels two and three. 1366: (with Newman, M.) Note on a subgroup of the modular group. 6265: (with Newman, M.) Modular groups of $t \times t$ matrices.
- Smetanid, Ja. S. 26: Propositional calculi with additional operations.
- Šmídov, F. I. 269: Some differential properties of functions of two variables. 270: On functions of two real variables. 1403: Some properties of a function of one variable.
- Smiley, Timothy. 3594: On Lukasiewicz's L -modal system.
- Smirnov, D. M. 2495: (with Taclim, M. A.) On finitely approximable Abelian multi-operator groups.
- Smirnov, Ju. M. 6934: Some remarks on transfinite dimension.
- Smirnov, N. V. 7100: The probability of large values of non-parametric one-sided criteria of fit.
- Smirnov, S. V. 4501: Nomograms and webs.
- Smirnov, V. I. 696: On a certain class of isotropic congruences. 6310: ★Lehrgang der höheren Mathematik. Teil II.
- Smirnova, G. N. 5299: Linear parabolic equations which degenerate on the boundary of the region.
- Smirnow, W. I. = Smirnov, V. I.
- Smith, C. A. B. 754: (with Archbold, J. W.) An extension of a theorem of König on graphs.
- Smith, Felix T. 3390: A symmetric representation for three-body problems. I. Motion in a plane.
- Smith, G. F. 1325: (with Smith, M. M. and Rivlin, R. S.) Integrity bases for a symmetric tensor and a vector—the crystal classes.
- Smith, J. Wolfgang. 3055: (with Clifton, Yeaton H.) Topological objects and sheaves.
- Smith, K. T. 462: Inequalities for formally positive integro-differential forms. 1485: (with Aronson, N.) Theory of Bessel potentials. I.

- Smith, M. M. 1325: (with Smith, G. F. and Rivlin, R. S.) Integrity bases for a symmetric tensor and a vector—the crystal classes.
- Smith, Marion B., Jr. 737: A new proof of certain metrization theorems.
- Smith, P. A. 6966: The cohomology of certain orbit spaces.
- Smith, Russell A. 3926: A uniqueness theorem concerning gravity fields.
- Smith, V. H. 2247: (with Gorsch, H. A.) Cluster integrals and the ground state of bosons with repulsive interactions.
- Smejkal, S. A. 5338: Quadrature and interpolation formulae on tensor products of certain function classes.
- Smorodinskii, Ja. A. 4661: (with Baz', A. I. and Puzikov, L. D.) Reconstruction of the scattering matrix near threshold.
- Smorodinskii, Ya. A. = Smorodinskii, Ja. A.
- Smyglevskii, Ju. D. 986: Variational problems for supersonic bodies of revolution and nozzles.
- Smyrl, J. L. 5832: The impact of a shock-wave on a thin two-dimensional aerofoil moving at supersonic speed.
- Smythe, W. R. 7304: Charged spheroid in cylinder.
- Sneddon, I. N. 1026: Note on an electrified circular disk situated inside a coaxial infinite hollow cylinder. 4572: Solutions of the equations of thermoelastic equilibrium. 564: (with Erdélyi, A.) Fractional integration and dual integral equations. 3293: (with George, D. L.) The axisymmetric Boussinesq problem for a heated punch. 6715: (with Lowengrub, M.) The solution of a pair of dual integral equations.
- Snederson, M. S. 3919: The generalized monogenic functions of G. Moisil and the generalized conjugate functions of V. S. Fedorov. 6430: On zero-divergence mappings of the gradient field of a harmonic function.
- Snell, J. Laurie. 1925: (with Kemeny, John G.) Boundary theory for recurrent Markov chains.
- Sneperman, L. B. 744: Semigroups of continuous transformations.
- Soare, Mircea. 2012: Über das verbesserte Mehrstellenverfahren.
- Sobczyk, Andrew. 1739: Extension properties of Banach spaces.
- Sobociński, Bolesław. 4895: Three set-theoretical formulas. 4896: A set-theoretical formula equivalent to the axiom of choice. 4924: A note on the generalized continuum hypothesis. I. 4925: A remark concerning the third theorem about the existence of successors of cardinals.
- Sobel', I. M. 5381: Solution of the Peierls integral equation by the Monte Carlo method.
- Sobolev, S. L. 3183: On cubature formulae. 6758: The density of finite functions in the space $L_p^{(m)}(E_n)$.
- Sobolev, V. V. 5969: Some relations in the theory of radiation scattering.
- Sobolevskii, P. E. 6338: On a type of second-order differential equations in a Banach space.
- Sobolevskii, V. M. 1519: Some cases of the integration of an ordinary differential equation written as the stressed state of an anisotropic, non-homogeneous and non-uniformly heated disk.
- Seoda, Takashi. 4835: (with Sawaragi, Yoshikazu and Sunahara, Yoshifumi) Statistical studies on the response of non-linear control systems subjected to a suddenly applied stationary random input.
- Sokolov, A. A. 2185: (with Lysov, B. A.) Motion of electron with radiation damping and boundary conditions.
- Sokolov, E. I. 6347: (with Bolotin, A. S.) A study of a singular integral.
- Sokolov, Ju. D. 2031: On a method of approximate solution of systems of linear integral equations. 5385: On a method of approximate solution of systems of non-linear integral equations with constant limits.
- Sokolov, S. N. 4663: S -matrix for the one-dimensional Schrödinger equation and its behaviour in the quasi-classical region.
- Sokolovskii, V. V. 3286: Complete plane problems of plastic flow.
- Sokołowski, Marek. 4571: A thermoelastic problem for a strip with discontinuous boundary conditions.
- Solecki, Roman. 4535: Bending and vibration of an isotropic rectangular plate with a hinged slot.
- Solian, A. 3811: Semi-topology of transformation groups.
- Solitar, Donald. 204: (with Baumslag, Gilbert) Some two-generator one-relator non-Hopfian groups.
- Solodov, V. M. 2011: On the error in numerical integration.
- Solodovnikov, A. S. 714: Geometric description of all possible representations of a Riemannian metric in Levi-Civita form.
- Sololević, F. A. 2699: (with Mil'stein, G. N.) Almost recurrent and uniformly Poisson stable orbits in a linear dynamical system.
- Solomakhova, T. S. 3331: Flow of a plane gas jet against a semi-infinite screen.
- Solomjak, T. B. 1629: The solvability of boundary-value problems for a class of quasi-linear elliptic equations with strong non-linearities.
- Solomon, A. I. 5860: Motion of a particle with spin in a nonhomogeneous electromagnetic field.
- Solomon, Gustave. 2340: A weight formula for group codes.
- Solomon, Herbert. 1236: (with Szegő, Gábor; Loewner, Charles; Bergman, Stefan; Schiffer, Menahem Max; Neyman, Jerzy and Gilberg, David; co-editors) ★Studies in mathematical analysis and related topics: Essays in honor of George Pólya.
- Solomon, Liviu. 2749: Le tenseur de Green pour les équations de Lamé. 3250: Some remarks on Saint-Venant's problem.
- Solomon, Louis. 1372: The representation of finite groups in algebraic number fields.
- Solov'ev, Ju. I. = Solov'ev, Ju. I.
- Solov'ev, Ju. I. 7212: (with Alexandrov, A. Ia.) One form of solution of three-dimensional axisymmetric problems of elasticity theory by means of functions of a complex variable and the solution of these problems for the sphere.
- Soluheva, R. S. 6183: (with Karmilin, A. V.) Some formulas for reducing algebraic determinants to polynomial form.
- Somers, Robert H. 849: A similarity between Goodman and Kruskal's tau and Kendall's tau, with a partial interpretation of the latter.
- Sominski, I. S. = Sominskii, I. S.
- Sominskii, I. S. 3573: ★Die Methode der vollständigen Induktion.
- Sommer, Friedrich. 5137: (with Behnke, Heinrich) ★Theorie der analytischen Funktionen einer komplexen Veränderlichen.
- Sona, P. G. 7358: (with Amar, V. and Lucchini, M.) Group properties of free-field equations.
- Sonnenschein, J. 1474: Introduction à la théorie des fonctions pseudo-analytiques. 5653: Éléments de solution du comportement transitoire d'une file d'attente simple lorsque l'intensité du trafic dépend du temps.
- Sonner, Johann. 2483: On the formal definition of categories.
- Sopov, Petr. 6163: On a differential field.
- Sor, L. A. 6916: An example of a discontinuum of convex surfaces which are non-trivially isometric.
- Sosonko, Ju. A. 7274: Interaction of a simple wave with a contact discontinuity.
- Špák, G. S. 6420: Some estimates for the modulus and real part of pseudo-positive functions.
- Spallek, Karlheinz. 5187: Zum Spurproblem holomorpher Funktionen auf analytischen Mengen.
- Spang, H. A., III. 3171: A review of minimization techniques for non-linear functions.
- Spanier, E. 779: A formula of Atiyah and Hirzebruch. 1847: Quasitopologies. 1891: (with Browder, William) H -spaces and duality.
- Sparenberg, J. A. 4579: On the waving motion of a flag.
- Spaskii, R. A. 2705: On an indirect control system.
- Specht, Wilhelm. 6366: Zur Werteverteilung der Polynome.
- Speiser, D. 258: (with Finkelstein, D. and Jauch, J. M.) Quaternionic representations of compact groups.
- Spencer, D. C. 2550: Intrinsic formulation of the equation of structure of a transitive continuous pseudogroup. 5595: (with Kodaira, K.) Multifoliate structures.
- Spiegel, C. C. 3155: Some new closed sequential designs for clinical trials.
- Spiegel, Murray R. 369: Some interesting special cases of the hypergeometric series.
- Spielberg, Kurt. 3174: Polynomial and continued-fraction approximations for logarithmic functions.
- Spilker, Jürgen. 5185: Algebraische Körper von automorphen Funktionen.
- Spillers, W. R. 7234: (with Freudenthal, A. M.) Solutions for the infinite layer and the half-space for quasi-static consolidating elastic and viscoelastic media.
- Spinadel, V. 5253: (with Roxin, E.) Reachable zones in autonomous differential systems.
- Spira, Robert. 6101: The complex sum of divisors.

- Spring, R. F. 6244: Lattice isomorphisms of finite non-abelian groups of exponent p .
 Springer, T. A. 5935: The classification of reduced exceptional simple Jordan algebras.
 Sprott, D. A. 1975: Listing of BIB designs from $r=16$ to 20.
 Spurgeon, Robert A. 1955: (with Scheuer, Ernest M.) Some percentage points of the non-central t -distribution.
 Squier, D. P. 6566: Regularity properties at interfaces of solutions of elliptic equations. 2019: (with Sheldon, J. W.) Remarks on the order of convergence of discrete analogs for second-order elliptic partial differential equations.
 Squire, William. 4073: (with Gould, H. W.) MacLaurin's second formula and its generalization.
 Squires, E. J. 2213: On the continuation of partial-wave amplitudes to complex I. 1092: (with Charap, John M.) Factorization of the residues of Regge poles. 2212a: (with Charap, John M.) On complex angular momentum in many-channel potential-scattering problems. I. 2212b: (with Charap, John M.) On complex angular momentum in many-channel potential-scattering problems. II.
 Freider, Ju. A. 3791: Continuous group spectra.
 Breitenkamp, L. N. 5970: On the method of integration of tidal equations suggested by Fairbairn.
 Sridharan, R. 165: (with Ramanan, S.) Resolutions for some filtered algebras.
 Srivivasacharyulu, Kilambi. 4365: Sur certaines variétés triangulables sans structures différentiables.
 Srinivasan, B. R. 1239: Formulae for the n th prime. 5462: On the representation of plane conic-loci by the points of a five-space.
 Srinivasan, R. 5600: Sur la convergence des éléments aléatoires généralisés à valeurs dans un espace vectoriel topologique. 5601: A remark on Gaussian random elements with values in a Banach algebra. 7016: On Lusin probability spaces.
 Srinivasan, T. P. 4397: Convergence in distribution: central limit problem.
 Srivastava, P. K. 4677: Lee model with two V particles.
 Srivastava, Pramila. 1658: Theorems on strong Riesz summability. 1659: On the absolute summability factors of integrals. 516: (with Prasad, B. N.) On strong Riesz summability of a Dirichlet series.
 Srivastava, R. S. L. 1459: A note on the order of integral function. 1461: On the maximum term of an integral function. 3905: A note on means of entire functions.
 Srivastava, Ravindra Kumar. 3882: Certain properties of the maximum term of an integral function represented by Dirichlet series.
 Srivastava, Satya Narain. 1460: On the means of an entire function and its derivatives.
 Stabilini, G. 1072: (with Cirelli, R.) The nucleon-nucleon potential in quantum field theory. I.
 Stacy, E. W. 836: A generalization of the gamma distribution.
 Stadlander, D. P. 4325: (with Davis, H. S. and Swingle, P. M.) Semigroups, continua and the set functions T^* .
 Stahl, Gerold. 6049: A paratheory of type theory.
 Stakgold, Ivar. 5270: A simple new proof of the mean value theorems for certain elliptic equations.
 Stallings, John. 747: Groups with infinite products. 6945: The piecewise-linear structure of Euclidean space. 6946: On topologically unknotted spheres.
 Stam, A. J. 7026: On boundedness of certain sums of convolutions having a renewal theory interpretation. 7027: On the Q -matrix of a derived Markov chain.
 Stamey, William L. 2946: (with Marr, J. M.) Unions of two convex sets.
 Stampacchia, Guido. 449: Sur des espaces de fonctions qui interviennent dans les problèmes aux limites elliptiques. 4034: Régularisation des solutions de problèmes aux limites elliptiques à données discontinues.
 Stampfli, Joseph G. 6772: Hyponormal operators.
 Stanghellini, A. 4708: (with Amati, D. and Prentki, J.) Higher symmetries and Pomerančuk conditions.
 Stanilov, G. 697: Geometric interpretation of certain differential invariants of one-parameter systems of lines in a bi-axial geometry.
 Stanilić, Milomir. 2111: On the aerodynamic forces acting on a delta-wing in supersonic flow with supersonic leading edges.
 Stanjuković, K. P. 2298: Relativistic motion of a medium and transition into the radiation. 4616: Adiabatic one-dimensional motions of an ultrarelativistic gas. 4783: The radiation of gravitational waves by "elementary particles". 4784: The interaction of bodies radiating gravitational waves.
 Stanjević, Časlav V. 6205: A sufficient and necessary condition for commutativity of division rings with characteristic p .
 Stanyukovich, K. P. = Stanjuković, K. P.
 Stapleton, James H. 1918: A characterization of the uniform distribution on a compact topological group.
 Stapp, Henry P. 3435: Intrinsic parity from the S -matrix viewpoint.
 Stark, T. H. 864: (with David, H. A.) Significance tests for paired-comparison experiments.
 Starostin, A. I. 5970: (with Èldinov, M. I.) Hall subgroups of a class of invariantly overlapping groups.
 Stas, W. 3879: Über die Umkehrung eines Satzes von Ingham.
 Stecenko, V. Ja. 6717: (with Krasnosel'skii, M. A.) Some non-linear problems with many solutions.
 Steck, G. P. 4446: (with Owen, D. B.) A note on the equicorrelated multivariate normal distribution.
 Stečkin, S. B. 4105: On power series and trigonometric series with monotone coefficients.
 Steele, C. R. 947: Shells of revolution with edge loads of rapid circumferential variation.
 Steenrod, N. E. 3056: ★Cohomology operations.
 Steer, B. 6974: Transgression in sphere-bundles.
 Steiger, Martin H. 2090: (with Bloom, Martin H.) Three-dimensional viscous wakes. 5821: (with Bloom, Martin H.) Linearized swirling wakes.
 Stein, C. M. 5692: Confidence sets for the mean of a multivariate normal distribution. 7065: A remark on the likelihood principle.
 Stein, E. M. 547: The characterization of functions arising as potentials. II. 6808: (with Kunze, R. A.) Analytic continuation of the principal series.
 Stein, F. Max. 6480: (with Klopfenstein, K. F.) A remark on singular Sturm-Liouville differential equations.
 Stein, Sherman K. 2535: Finite models of identities. 71: (with Erdős, Paul) Sums of distinct unit fractions.
 Steinberg, A. S. 7126: On the divided difference of a function on the system of Čebyšev abscissas, together with certain applications.
 Steinberg, Jacob. 1689: Classes of biorthonormal systems. II.
 Steinberg, Robert. 1351: Generators for simple groups. 1395: Automorphisms of classical Lie algebras.
 Steinfeld, O. 6286: Errata: "Verbantheoretische Betrachtung gewisser idealtheoretischer Fragen".
 Steinhaus, H. 2570: Sur une transformation des ensembles linéaires.
 Steinwedel, H. 4656: (with Beck, F. and Süßmann, G.) Bemerkungen zum Kleinschen Paradoxon.
 Stelleckij, I. V. 54: Nilpotent lattices.
 Stel'makul, N. T. 5168: Sur un système d'équations aux dérivées formelles.
 Stepanenko, P. T. 1827: On a generalization of subprojective spaces.
 Stepanov, A. V. 3399: (with Kazarnovskii, M. V.) Theory of resonance scattering by atomic systems. I. Derivation of general formulas.
 Stepanov, K. N. 2136: (with Homenjuk, V. V.) On the stability conditions of equilibrium magnetohydrodynamic configurations.
 Stepanov, N. V. 5492: Transformation of Laplace in the space of straight lines.
 Stephan, Hans. 4774: Zur Formulierung der vierdimensionalen kanonischen Mechanik eines Massenpunktes bei Verwendung der Eigenzeit als Parameter.
 Stephanidis, N. K. 2920: Ein Zusammenhang zwischen Kugelverbiegung und Strahlenystemen.
 Stephenson, G. 1187: A static spherically symmetric solution of the Einstein-Maxwell-Yukawa field equations.
 Stern, Raul A. 7270: (with Oppenheim, Antoni K.) Les caractéristiques fondamentales de la propagation des ondes dans les milieux réactifs.
 Stern, T. E. 4842: Some quantum effects in information channels.

- Sternberg, Eli. 4565: (with Gurtin, M. E.) On the linear theory of viscoelasticity.
- Sternheimer, Daniel. 5143: Construction de séries de Dirichlet dont le prolongement analytique direct uniforme possède une croissance voulue en dehors des singularités. Applications.
- Sternheimer, R. M. 4715: (with Pasternack, S.) An orthogonality property of hydrogenlike radial functions.
- Steudel, H. 4795: Konforminvarianz in allgemein-kovarianten Feldtheorie.
- Steward, Donald V. 3181: On an approach to techniques for the analysis of the structure of large systems of equations.
- Stewart, Benjamin U. 4768: (with Paranjape, B. V.) Role of electron-electron collisions in galvanomagnetic effects.
- Stewartson, Keith. 996: Magneto-fluid dynamics of thin bodies in oblique fields. II. 3295: (with Hall, M. G.) The inner viscous solution for the core of a leading-edge vortex.
- Steyn, H. S. 5661: On approximations for the distributions obtained from multiple events.
- Stiefel, E. 3218: (with Engeli, M.; Ginsburg, Th. and Rutishauser, H.) Refined iterative methods for computation of the solution and the eigenvalues of self-adjoint boundary value problems.
- Stiffler, J. J. 2404: (with Anderson, D. R.) Lower bounds for the maximum moduli of certain classes of trigonometric sums.
- Stigum, Berni P. 3165: Dynamic stochastic processes.
- Stöckel, H. 1618: Herleitung dreidimensionaler Beugungslösungen für ebene elektromagnetische Wellen aus zweidimensionalem Lösungen.
- Stoer, Josef. 4469: Über zwei Algorithmen zur Interpolation mit rationalen Funktionen.
- Stojaković, Mirko. 759: Abriss eines "Beweises" des Vierfarbensatzes.
- Stojanović, I. S. 2648: Calculation of the sum of certain infinite series formed from products of Bessel functions.
- Stoka, Marius. 4285: Correspondenze tra spazi proiettivi e connessione costante. 6873: About special correspondences between projective spaces.
- Stoker, J. J. 2991: On the form of complete surfaces in three-dimensional space for which $K \leq -c^2$ or $K \geq c^2$.
- Stoller, Gerald. 2491: Example of a proper subgroup of S_∞ which has a set-transitivity property.
- Stolzenberg, Gabriel. 627: A hull with no analytic structure. 3929: Polynomially and rationally convex sets. 4196: The maximal ideal space of the functions locally in a function algebra.
- Stone, A. H. 740: A note on paracompactness and normality of mapping spaces.
- Stone, A. J. 4718: Gauge invariance of the g tensor.
- Stone, Betty Jane. 889: Best possible ratios of certain matrix norms.
- Stone, M. 7071: The posterior t distribution.
- Stonickil, A. A. 4142: Asymptotic representation of the solution of a mixed problem for a class of integro-differential equations with a small parameter.
- Storchi, Edoardo. 272: Su una generalizzazione del lemma di Peano-Gronwall. 6617: Il teorema di unicità per le equazioni dei moti lenti dei fluidi. 7102: Su una nuova definizione di ellissoide di inerzia.
- Strang, Gilbert. 4489: Accurate partial difference methods. I. Linear Cauchy problems. 5484: (with Rota, Gian-Carlo) A note on the joint spectral radius.
- Stratilašova, M. B. 5136: Area in two-dimensional manifolds of bounded curvature as Hausdorff measure.
- Stratonović, R. L. 7015: (with Kuznetsov, P. I. and Tihonov, V. I.) Some problems with conditional probability and quasi-moment functions.
- Straumann, N. 3424: (with Rasche, G.) On the removal of the ghost state in the Los model.
- Straus, E. G. 5003: (with Rogers, K.) A special class of matrices. 509: (with Aczél, J. and Hosszú, M.) Functional equations for products and compositions of functions.
- Streater, R. F. 3415: Fields satisfying the asymptotic condition.
- Strelcic, Š. I. = Strelcic, Š.
- Strelcic, Š. 2639: Relations for the derivatives of an entire transcendental function of several variables at points of maximum modulus. 4621: An analogue of a theorem of Fuchs for solving linear partial differential equations. 2613: (with Neđuškite, Ē.) On the rate of convergence to zero of the partial sums of the Taylor's series of an entire function.
- Strickfaden, W. B. 5570: (with Botts, D. D. and Schiff, H.) Approximate solution of a nonlinear field equation.
- Striebel, Charlotte T. 856: Efficient estimation of a regression parameter for certain second order processes.
- Strocchi, F. 5875: Operator equations for Foldy-Wouthuysen transformations. 5912: (with Forte, Bruno) A solution of the restricted ergodic problem in statistical mechanics.
- Strömgren, Lars. 4624: Table of the amplitude functions of the iterated sine and cosine integrals of two variables.
- Strommer, J. 1795: Konstruktionen mit dem Parallelmeilen in der hyperbolischen Ebene. 1796: Ein Beitrag zur Konstruierbarkeit geometrischer Aufgaben in der hyperbolischen Ebene. 2911: Über die Begründung der Kongruenzsätze der ebenen Geometrie.
- Strubecker, Karl. 935: Airy'sche Spannungsfunktion und isotrope Differentialgeometrie. 5465a: Geometrie in einer isotropen Ebene. 5465b: Geometrie in einer isotropen Ebene.
- Struble, Raimond A. 7428: A geometrical derivation of the satellite equations. 6528: (with Fletcher, John E.) General perturbational solution of the Mathieu equation.
- Strauš, Ruth Rebekka. 2486: On nilpotent products of cyclic groups. II. 6250: A note on prime-power groups.
- Szrezelecki, E. 1767: Metric properties of normed algebras.
- Stuart, Alan. 5702: ★Basic ideas of scientific sampling.
- Stubblefield, Beauregard. 749: Some imbedding and nonimbedding theorems for n -manifolds.
- Stueckelberg, E. C. G. 4743: Relativistic thermodynamics. III. Velocity of elastic waves and related problems.
- Su, Buchin. 4273: Contributions to the theory of conjugate nets in projective hyperspace. V.
- Su, J. C. 1389: Transformation groups on cohomology projective spaces. 1390: (with Mann, L. N.) Actions of elementary p -groups on manifolds.
- Subba Rao, M. V. 2392: (with Harris, V. C.) Congruence properties of $\sigma_r(N)$.
- Subhankulov, M. A. 1663: The remainder term in the Tauberian theorem of Hardy-Littlewood-Carleman.
- Subnikov, A. V. 2274: Symmetry and antisymmetry groups (classes) of finite strips.
- Subrahmanyam, N. V. 3748: Boolean semirings.
- Subrahmanyam Sastri, V. V. 1297: Three series involving partitions. 3689: Some results involving partition functions.
- Subrahmanyam, V. V. = Subrahmanyam Sastri, V. V.
- Subrahmanyam, S. S. 659: On a remarkable Cremona involution. 1780: On three tricusps associated with a triangle. 1781: On θ -pedals and deltoids.
- Succi, Francesco. 2956: Qualche aspetto topologico della teoria degli elementi differenziali.
- Sucher, J. 2181: Relativistic invariance and the square-root Klein-Gordon equation.
- Sucheston, L. 794: A zero-one property of mixing sequences of events. 7010: On mixing and the zero-one law.
- Sudakov, V. N. 6739: A class of compacta of a Hilbert space. 6740: On the characterization of the quasi-invariance of measures in Hilbert spaces.
- Sudan, R. N. 4612: Interaction of a conducting fluid stream with a traveling wave of magnetic field of finite extension.
- Sudarshan, E. C. G. 2169: Structure of dynamical theories. 2233: Relativistic particle interactions. 3412: (with Johnson, Kenneth) Inconsistency of the local field theory of charged spin 3/2 particles. 7329: (with Jordan, Thomas F.) Errata: "Lie-group dynamical formalism and the relation between quantum mechanics and classical mechanics". 2232: (with Rose, M. E.) ★Lectures in theoretical physics. Vol. 2. 3485: (with Bilaniuk, O. M. P. and Deshpande, V. K.) "Meta" relativity. 4680: (with Greenberg, O. W. and Schnitzer, H. J.) Completeness identity in field theory. 3392: (with Jordan, Thomas F. and Pinsky, Mark A.) Dynamical mappings of density operators in quantum mechanics. II. Time dependent mappings.
- Suetin, Ju. K. 326: On the zeros of sequences of derivatives of entire functions.

- Suffoyński, M. 2252: Superconductivity in the case of overlapping bands.
- Sugaev, F. V. 2112: The supersonic flow of blunt bodies with axial symmetry with a detached shock wave.
- Sugawara, M. 2224: (with Tubis, A.) High-energy behavior of elastic-scattering amplitudes.
- Sugiura, Mitsuo. 258: Representations of compact groups realized by spherical functions on symmetric spaces. 3827: Conjugate classes of Cartan subalgebras in real semisimple Lie algebras.
- Sugiura, Nariaki. 859: On the orthogonal inverse expansion with an application to the moments of order statistics.
- Sugiyama, Hiroshi. 887: (with Joh, Kenzo) A numerical procedure of conformal mapping in case of simply, doubly, and multiply connected domains from the viewpoint of Monte Carlo approach. I.
- Sugiyama, Shohei. 1590: Existence theorems on difference-differential equations.
- Suharev, A. D. 5857: On the connection between operators in the Heisenberg and interaction representations.
- Suita, Nobuyuki. 580: On Fredholm eigenvalue problem for plane domains. 1447: On some criteria for a set to be of class N_g .
- Sukhanov, A. D. = Suharev, A. D.
- Sukhatme, Balkrishna V. 3161: Some ratio-type estimators in two-phase sampling.
- Suliński, A. 152: (with Sasiada, E.) A note on Jacobson radical.
- Sunahara, Yoshifumi. 4834: (with Sawaragi, Yoshikazu and Nakamizo, Takayoshi) A study on the statistical synthesis of optimum non-linear control systems subjected to non-gaussian random inputs. 4835: (with Sawaragi, Yoshikazu and Soeda, Takashi) Statistical studies on the response of non-linear control systems subjected to a suddenly applied stationary random input.
- Sundaresan, K. 5405: Characterization of innerproduct spaces.
- Sumouchi, Gen-ichirō. 6670: Approximation and saturation of functions by arithmetic means of trigonometric interpolating polynomials.
- Suplin, R. M. 5720: An algorithm for reducing the secular determinant of an arbitrary matrix to triangular form.
- Suppes, Patrick. 4875: ★Introduction to logic.
- Suprunenko, D. A. 220: Periodic subgroups of solvable matrix groups. 6233: On the order of an element of a group of integral matrices. 6268: A condition for the complete reducibility of a matrix group. 1368: (with Garaščuk, M. S.) Linear groups with Engel's condition. 1369: (with Garaščuk, M. S.) Linear groups with a category.
- Šur, M. G. 5625: A class of Markov processes whose exit probabilities are majorized by the exit probabilities of a Wiener process. 7022: Harmonic and superharmonic functions connected with diffusion processes. 7023: Continuous additive functionals of Markov processes and excessive functions.
- Surányi, János. 2388: (with Erdős, Pál) Bemerkungen zu einer Aufgabe eines mathematischen Wettbewerbs.
- Suris, R. A. 3481: The application of functional methods to the theory of solid solutions.
- Surville, P. 7011: On the remainder term in the central limit theorem.
- Süssmann, G. 4656: (with Beck, F. and Steinwedel, H.) Bemerkungen zum Kleinachsen Paradoxon.
- Šutov, Ě. G. 2530: On the semigroup of all partial mappings which are almost identity mappings.
- Suzuki, Haruo. 5587: An approximation of a convex polyhedra by C^∞ -manifolds in a euclidean space R^n .
- Suzuki, Hideo. 1164: The general solution of the Boltzmann transport equation and boundary-value problems.
- Suzuki, Kazuo. 6293: Notes on the duality theorem of non-commutative topological groups.
- Suzuki, Michio. 234: On characterizations of linear groups. III.
- Suzuki, Yasutaka. 7321: (with Kayama, Tokuchi; Kawai, Toshiharu and Kodama, Kiyoshi) Fundamental solutions of modified Klein-Gordon equation.
- Suzuki, Yoshinori. 1253: Enumeration of recursive sets.
- Suzuki, Yoshiya. 5349: Approximation of functions by Riesz mean of their Fourier series.
- Suzuki, Yukio. 5673: On sequential decision procedures.
- Švalko, N. Ju. 3272: (with Leonov, M. Ia.) Introduction to the dislocation theory of elasto-plastic torsion.
- Švalagin, M. V. 521: (with Gol'dberg, A. A.) Summation of certain series by means of the theory of residues.
- Švec, Alois. 767: Les espaces de König du point de vue des espaces fibrés à connexion. 1812: Sur la différentiabilité du repère de Winteritz d'une courbe. 2974: L'application des variétés à connexion à certains problèmes de la géométrie différentielle. 2980: Les quadriques de Lie d'une surface plongée dans un espace tridimensionnel à connexion projective.
- Švec, Marko. 6525: Asymptotische Darstellung der Lösungen der Differentialgleichung $y^{(n)} + Q(x)y = 0$, $n = 3, 4$.
- Švecová, Hana. 5139: A generalization of theorems about the zeros of analytic functions.
- Svensson, Bengt E. Y. 5878: Relation between Fourier transform and integral representation for the two and three point functions.
- Svetnikov, A. A. 3244: On the motion of a gyroscopic pendulum with random displacements of its point of suspension.
- Svetlov, Ju. E. 2271: (with Buljanica, D. S.) Properties of the Bloch and Wannier functions.
- Svirskii, I. V. 3270: Utilization of similarity considerations for the improvement of the convergence of a process of successive approximations in shell analysis.
- Svoboda, Karel. 683: Remarque sur les surfaces minima à circonférences de courbure normale de rayon constant. 4274: Cycles de congruences stratifiables dans un espace projectif de dimension impaire.
- Swaminathan, S. 3016: The role of order in uniform spaces.
- Swan, Richard G. 785: Vector bundles and projective modules. 2432: Factorization of polynomials over finite fields. 6936: An application of graph theory to algebra.
- Swaryczewski, Antoni. 2515: An extension of the rotation group of the (noncrystallographic) regular dodecahedron and its crystallographic importance.
- Swenson, Robert J. 4739: Derivation of generalized master equations. 5915: Generalized master equation and ϵ -matrix expansion.
- Świątkowski, T. 1416: Sur une transformation d'une fonction mesurable en une fonction sommable.
- Świeca, J. A. 1066: Field propagators singular at zero coupling.
- Świerczkowski, S. 1398: On the independence of continuous functions. 2540: Invariant measures on coset spaces.
- Swingle, P. M. 1863: (with Kelley, R. L.) Concerning minimal generating subsets of semigroups. 4225: (with Davis, H. S. and Städlander, D. P.) Semigroups, continua and the set functions T^* .
- Swinnerton-Dyer, H. P. F. 3669: (with Birch, B. J.) Notes on elliptic curves. I. 2925: (with Croft, H. T.) On the Steinhaus billiard table problem.
- Syed, Ansaruddin. 7326: (with Rashid, Muneeb Ahmad) T_{ab} and T_{ba}^* as opposite boundary values.
- Symancik, K. 3466: On the many-particle structure of Green's functions in quantum field theory.
- Synge, J. L. 2294: Systematic approximations in the calculation of gravitational fields. 2293: (with Florides, P. S.) The gravitational field of a rotating fluid mass in general relativity.
- Syski, R. 825: Congestion in telephone exchanges.
- Szabó, István. 7185: (with Morgenstern, Dietrich) ★Vorlesungen über theoretische Mechanik.
- Szabó, Nicholas. 3541: Sign detection in nonredundant residue systems.
- Szafirska, B. 1480: Sur une propriété des distributions restreintes des points extrémaux. 6638: On the convergence of sequences of numbers to the écart of the set.
- Szaniawski, Andrzej. 7266: Equations of transonic flow of a heat conducting fluid.
- Szaniawski, Klemens. 7076: A method of deciding between N statistical hypotheses.
- Szaniecki, J. 2171: Some remarks on perturbation calculus.
- Szász, F. 187: Bemerkung zu meiner Arbeit "Über Gruppen, deren sämtliche nichttriviale Potenzen zyklische Untergruppen der Gruppe sind". 6267: Über Ringe mit Minimalbedingung für Hauptrechtsideale. II. 6268: Bemerkungen zu assoziativen Hauptidealen.
- Szász, Levente. 4716: Atomic many-body problem. II. The matrix components of the Hamiltonian with respect to correlated wave functions.
- Szász, Paul. 1778: New gauge constructions of perpendiculars without

- assuming the parallel axiom. 6840: Einfache Herstellung der hyperbolischen Trigonometrie in der Ebene auf Grund der Hilbertschen Endenrechnung. 6841: Ein bequemer Weg zur Herleitung der hyperbolischen Trigonometrie mit Hilfe der Grenzkugel.
- Szczepankiewicz, E. 5152: (with Zamorski, J.) Close-to-convex and almost starlike functions.
- Szemerédi, L. W. 5461: On the models of the affine geometry.
- Szebehely, Victor. 7198: On isotach orbits.
- Szegő, G. P. 409: On a new partial differential equation for the stability analysis of time invariant control systems. 1565: Method for constructing Liapunov functions for linear non-stationary systems. 1566: A contribution to Liapunov's second method: nonlinear autonomous systems. 5238: A contribution to Liapunov's second method: nonlinear autonomous systems.
- Székely, Gábor. 342: On the gradient of solid harmonic polynomials. 2657: An inequality for Jacobi polynomials. 539: (with Karlin, S.) On certain determinants whose elements are orthogonal polynomials. 1236: (with Loewner, Charles; Bergman, Stefan; Schiffer, Menahem Max; Neyman, Jerzy; Gilbarg, David and Solomon, Herbert; co-editors) ★Studies in mathematical analysis and related topics: Essays in honor of George Pólya.
- Szegő, P. 5195: (with Lorch, L.) A singular integral whose kernel involves a Bessel function. II. 5209: (with Lorch, Lee) Higher monotonicity properties of certain Sturm-Liouville functions.
- Székely, D. L. 4858: A theory of translation and transformation of languages.
- Szenthe, J. 1842: Über metrische Räume, deren lokalisometrische Abbildungen Isometrien sind.
- Székely, Jenő. 6259: Sulle strutture fattorizzabili.
- Szilágyi, P. 1611: (with Kalik, C.) Sur la solution du problème de la limite de Neumann.
- Szmielew, Wanda. 638: (with Borsuk, Karol) ★Foundations of geometry: Euclidean and Bolyai-Lobachevskian geometry; projective geometry.
- Sz.-Nagy, B. 613: (with Foiaş, C.) Remark to the preceding paper of J. Feldman. 2390: (with Foiaş, Ciprian) Sur les contractions de l'espace de Hilbert. V. Translations bilatérales. 2391: (with Foiaş, Ciprian) Sur les contractions de l'espace de Hilbert. VI. Calcul fonctionnel. 6781: (with Foiaş, Ciprian) Modèles fonctionnels des contractions de l'espace de Hilbert. La fonction caractéristique. 6782: (with Foiaş, Ciprian) Propriétés des fonctions caractéristiques, modèles triangulaires et une classification des contractions de l'espace de Hilbert.
- Süss, P. 1647: Über ein Problem der Reihenlehre.
- Szwarc, W. 3526: The applications of the transportation scheme.
- Tabata, Fujio. 2982: The local infinitesimal deformations of a Riemannian manifold. II.
- Tabueva, V. A. 309: On circular motions of the Froude pendulum. 5222: A study of the oscillations of the Froude-Joukowski pendulum considering the Coulomb friction.
- Tachibana, Shun-ichi. 726: (with Okumura, Masafumi) On the almost-complex structure of tangent bundles of Riemannian spaces.
- Tachikawa, Hiroyuki. 5027: A characterization of QF-3 algebras.
- Taft, Earl J. 5022a: Operator groups and quasi-orthogonality. 5022b: Cayley symmetries in associative algebras.
- Tagamićki, Ja. 628: On the irreducible elements of certain cones of analytic functions.
- Tai, C. T. 3359: Some wave functions and potential functions pertaining to spherically stratified media.
- Talcin, M. A. 6: Undecidability of the elementary theory of commutative semigroups with cancellations. 2495: (with Smirnov, D. M.) On finitely approximable Abelian multi-operator groups.
- Tal'kov, L. V. 6678: Divergence of Fourier series of continuous functions under the rearrangement of a trigonometric system.
- Talmanov, A. D. 1255: Characteristic properties of axiomatizable classes of models. I. 1256: Characteristic properties of axiomatizable classes of models. II. 1257: Characterization of finitely axiomatizable classes of models. 5540: The limit of a uniformly convergent sequence of compact mappings of a metric space onto a locally compact space is a closed mapping.
- Tairov, M. A. 5751: Solution of a problem on non-stationary filtration by the method of integral relations.
- Takács, Lajos. 3131: Ballot problems. 5647: The stochastic law of the busy period for a single server queue with Poisson input. 7055: Delay distributions for one line with Poisson input, general holding times, and various orders of service.
- Takahashi, H. 3291: The plane strain compression between V-shaped dies with Coulomb friction.
- Takahashi, Shigeru. 2307: On the distribution of values of the type $\sum f(g^k t)$.
- Takahashi, Y. 2205: (with Kamefuchi, S.) A generalization of field quantization and statistics.
- Takahasi, Keiti. 7082: One model for estimating the population size by capture-recapture method.
- Takano, Kazuo. 703: On projective motion in a space with recurrent curvature. 5519: Some remarks on the affine motion in a space with recurrent curvature.
- Takasu, Tsurusaburo. 695: Extended Lie geometry, extended parabolic Lie geometry, extended equiform Laguerre geometry and their realizations in the differentiable manifolds. I.
- Takeno, Hyōtirō. 3492: The mathematical theory of plane gravitational waves in general relativity. 4790: On geometric properties of some plane wave solutions in general relativity. IV. 5956: Gravitational null field admitting a parallel null vector field. The space-times H and P .
- Takesaki, Masamichi. 6810: On some representation of C^* -algebras.
- Taketani, M. 1064: (with Hama, Y. and Osada, J.) Ghost scatterings.
- Takeuchi, Masaru. 2548: On Pontryagin classes of compact symmetric spaces.
- Takeuchi, Tomoyuki. 2072: Velocity of slowly moving dislocation.
- Takeuti, Gaisi. 38: Axioms of infinity of set theory. 1267: Ordinal diagrams. II. 1269: On the inductive definition with quantifiers of second order. 6751: Dirac space. 3605: (with Kino, Akiko) A note on predicates of ordinal numbers.
- Tallini, Giuseppe. 3512: Una proprietà in grande delle varietà a connessione affine compatte con applicazioni alle varietà a connessione proiettiva.
- Tallis, G. M. 3143: The maximum likelihood estimation of correlation from contingency tables. 7084: The use of a generalized multinomial distribution in the estimation of correlation in discrete data.
- Talwar, H. S. 2099: (with Anand, S. P. S.) On the magnetogravitational instability of an inhomogeneous and rotating medium.
- Talwar, S. P. 3348: (with Tandon, J. N.) Stability of a hard-core fluid jet of small electrical conductivity.
- Tamada, Ko. 2129: Transonic flow of a perfectly conducting gas with aligned magnetic field.
- Tamagawa, Tsuneo. 2468: On the ζ -functions of a division algebra.
- Tamano, Hisahiro. 6929: Some properties of the Stone-Čech compactification.
- Tamari, Dov. 3749: The algebra of bracketings and their enumeration.
- Tamburino, Louis A. 5947: (with Newman, Ezra T.) Empty space metrics containing hypersurface orthogonal geodesic rays.
- Tamme, E. 1999: On the accuracy of approximate methods of finding eigenvalues and eigenvectors.
- Tamrazov, P. M. 305: Conformal mapping of a region onto a rectangle with rectilinear slits. 306: Continuity of the conformal map of a domain onto a rectangle with rectilinear slits. 3383: Relative boundary distortion under a schlicht conformal mapping of a doubly connected domain. 3384: On the theory of schlicht conformal mappings of doubly connected domains. 6421: A generalized Blaschke product in domains of arbitrary connectivity.
- Tamura, Itiro. 780: 8-manifolds admitting no differentiable structure. 781: Sur les sommes connexes de certaines variétés différentiables. 1895: Remarks on differentiable structures on spheres. 3073: Sur certaines variétés différentiables de dimension 8. 3074: Differentiable 7-manifolds with a certain homotopy type. 6975: (with Sasao, Seiya) Classification of $SO(n)$ -bundles over the quaternion projective plane.
- Tamura, Takayuki. 3800: Examples of direct products of semigroups or groupoids. 2534: (with Merkal, Rudolph B. and Latimer, Jack

- F.) The direct product of right singular semigroups and certain groupoids.
- Tamuz, V. P. 7242: On a minimum principle in dynamics of rigid-plastic bodies.
- Tamuz, V. P. = Tamuz, V. P.
- Tan, Tran Van. *See* Tran Van Tan.
- Tanaka, Hiroshi. 5618: (with Sato, Keniti) Local times on the boundary for multi-dimensional reflecting diffusion.
- Tanaka, K. 5891: (with Liu, Lu Sun) Regge trajectory in field theory.
- Tanaka, Masao. 7074: On a confidence interval of given length for the parameter of the binomial and the Poisson distributions.
- Tanaka, Noboru. 3086: On the pseudo-conformal geometry of hypersurfaces of the space of n complex variables.
- Tanaka, Sho. 5871: Towards unified and convergent theory of elementary particles. Quantum field theory with indefinite metric.
- Tanaka, Susumu. 6236: Torsion-free abelian groups over the ring of p -adic integers.
- Tanaka, Tomoyasu. 4732: (with Meijer, Paul H. E. and Barry, Jeremiah) Dynamic behavior of a set of weakly coupled Ising spins.
- Tandon, J. N. 3348: (with Talwar, S. P.) Stability of a hard-core fluid jet of small electrical conductivity.
- Tandori, Károly. 1688: Über die orthogonalen Funktionen. X. (Unbedingte Konvergenz).
- Tangherlini, F. R. 4788: Postulational approach to Schwarzschild's exterior solution with application to a class of interior solutions. 5955: Schwarzschild field in n dimensions and the dimensionality of space problem. 7408: General relativistic approach to the Poincaré compensating stresses for the classical point electron.
- Tani, Smio. 2206: Synthetic approach and canonical variables in a nonlocal field theory. 2190: (with Rosendorff, S.) High-energy potential scattering.
- Taniuti, Tosiya. 7283: The effect of finite conductivity on the propagation of hydromagnetic slow waves.
- Tanno, Shukichi. 2972: Note on infinitesimal transformations over contact manifolds. 4295: (with Hatakeyama, Yoji and Ogawa, Youseki) Some properties of manifolds with contact metric structure.
- Tanzi Cattabianchi, Luigi. 6626: Su una classe di equazioni alle differenze, del tipo di Bessel.
- Tao, Junzo. 748: On a problem of C. D. Papakyriakopoulos.
- Tarimer, N. 3407: An axiomatic approach to the theory of renormalization.
- Tarjanne, Pekka. 5863: A group theoretical model for strong interaction dynamics.
- Tarnawski, E. 6317: Une simple démonstration de la non-dérivabilité de la fonction du type de Weierstrass.
- Tarski, Jan. 5099: Partition function for certain simple Lie algebras.
- Tarumoto, Kóichi. 3913: Remarks on the uniform approximation by meromorphic functions on a non-compact Riemann surface.
- Tashiro, Yoshihiro. 4280: On contact structure of hypersurfaces in complex manifolds. I. 6914: On contact structure of hypersurfaces in complex manifolds. II.
- Tatarskii, V. I. 2103: Application of quantum field theory methods to the problem of degeneration of homogeneous turbulence.
- Taub, A. H. 5959: On Thomas' result concerning the geodesic hypothesis.
- Tausky, Olga. 5008: A characterization of property L . 6191: (with Wielandt, H.) Linear relations between higher additive commutators. 6192: (with Wielandt, H.) On the role of the determinant in semi-groups of matrices.
- Tavernier, Jean. 1162: Sur une méthode de résolution de l'équation de Boltzmann stationnaire.
- Tavkhelidze, A. N. 1083: (with Arbusov, B. A.; Logunov, A. A. and Faustov, R. N.) The asymptotic behaviour of the scattering amplitudes and the renormalisation group method. 1091: (with Arbusov, B. A.; Logunov, A. A.; Faustov, R. N. and Filipov, A. T.) Regge poles and perturbation theory.
- Tavkhelidze, A. N. = Tavkhelidze, A. N.
- Taylor, J. C. 6920: Filter spaces determined by relations. I. 6921: Filter spaces determined by relations. II.
- Taylor, John R. 2216: Analyticity of the positions and residues of Regge poles.
- Taylor, S. J. 816: (with Ciesielski, Z.) First passage times and sojourn times for Brownian motion in space and the exact Hausdorff measure of the sample path. 4384: (with Rogers, C. A.) On the law of the iterated logarithm.
- Taylor, Thomas D. 3371: (with Acrivos, Andronas) Heat and mass transfer from single spheres in Stokes flow.
- Tchebychev, P. L. = Chebyshev, P. L.
- Tedeschi, Bruno. 7004: Su uno schema probabilistico nel quale ogni prova è costituita da un numero aleatorio di prove indipendenti su una variabile casuale.
- Teh, H. H. 56: A note on L -groups. 6231: On ideal coverings of a set and some directed products of groups.
- Teipel, Ingolf. 7248: Stromfunktionen bei schwach angestellten Rotationalkörpern.
- Tellman, S. G. 2497: Images of induced endomorphisms in $\text{Ext}(H, G)$.
- Tempel'man, A. A. 1920: An ergodic theorem for random fields which are homogeneous in the broad sense.
- Temperley, H. N. V. 5909: Statistics of a two-dimensional lattice gas. I. 5910: Statistics of a two-dimensional lattice gas. II.
- Temple, G. 5063: A property of simply transitive groups.
- Tennant, W. 656: A generalization of Pascal's theorem.
- Teodorescu, G. = Bogdan-Teodorescu, Gabriela.
- Teodorescu, N. N. 1838: À propos d'espaces de Finsler.
- Teptin, A. L. 910: The behavior of the Green's function for a multi-point linear difference boundary-value problem.
- Teregiu, I. G. 934: On the variational method in the nonlinear theory of elasticity.
- Ter-Krikorov, A. M. 3304: A solitary wave on the surface of a turbulent liquid.
- Terol, Procopio Zerea. *See* Zerea Terol, Procopio.
- Terracini, A. 1816: Éléments curvilignes composés.
- Tersenov, S. A. 473: On the theory of hyperbolic equations with data on a line of degeneration of type.
- Teterev, A. G. 4025: Extremal properties of solutions of elliptic equations.
- Tevan, György. 2447: An introduction to vector and scalar products and to determinants.
- Tezuka, Keiichi. 6953: (with Kasahara, Yoshiro; Ling, Shun Tong and Kitahashi, Tadahiro) Topological evaluation of system determinants.
- Thalberg, Olaf M. 4236: Theorems concerning intersections of algebraic curves.
- Thatcher, James. 4517: (with Gyr, John and Allen, George) Computer simulation of a model of cognitive organization.
- Theil, H. 7097: On the use of incomplete prior information in regression analysis. 7438: (with Kloek, T.) The statistics of systems of simultaneous economic relationships.
- Theodorescu, R. 1929: (with Iosifescu, M.) Chains with complete connections. II. 7034: (with Iosifescu, M.) Chains with complete connections. III. 1913: (with Simboan, G.) On measure algebras. 3108: (with Simboan, G.) On generalized random processes.
- Thibault, Roger. 1000: Sur le théorème de Zemlen en magnéto-dynamique des fluides.
- Thiele, Ernst-Jochen. 2366: Berichtigung zu der Arbeit: "Die Verträglichkeit des Kontinuumshypothese mit dem System der Mengenlehre von Zermelo-Fraenkel".
- Thimm, Walter. 1493: Lückengarben von kohärenten analytischen Modulgarben.
- Thin', Lai Dyk. *See* Lai Dyk Thin'.
- Thirring, W. 2253: (with Ranninger, J.) Linear response function for quantum mechanical system.
- Thiruvengadam, K. 4423: (with Jaiswal, N. K.) Preemptive Resumé priority queues with Erlangian Inputs.
- Thiry, F. 4637: (with Etienne, J.) Fonction de Green de l'opérateur métaharmonique pour les problèmes de Dirichlet ou de Neumann à l'intérieur d'un cercle ou d'une sphère.
- Thom, René. 5588: La stabilité topologique des applications polynomiales.
- Thomas, D. P. 2157: Diffraction by a spherical cap.
- Thomas, Emery. 3057: Steenrod squares and H -spaces. 6971: On the mod 2 cohomology of certain H -spaces. 6972: On functional cup-products and the transgression operator. 6970: (with James, Ioan) Homotopy-abelian topological groups.

- Thomas, Ivo.** 9: Independence of Tarski's law in Henkin's propositional fragments. 10: Functional completeness of Henkin's propositional fragments.
- Thomas, J. B.** 5707: (with Helms, H. D.) Truncation error of sampling-theorem expansions.
- Thomas, T. Y.** 1192: Gravitation and the origin of material particles. 2296: Some further remarks on the geodesic hypothesis in the theory of gravitation. 5958: On the geodesic hypothesis in the theory of gravitation.
- Thomasian, A. J.** 2338: A finite criterion for indecomposable channels.
- Thomée, Vidar.** 2747: A mixed boundary-value problem for hyperbolic first-order systems with derivatives in the boundary conditions. 6798: (with Björk, Göran) A property of bounded normal operators in Hilbert space.
- Thompson, A. C.** 6727: On certain contraction mappings in a partially ordered vector space.
- Thompson, G. T.** 896: (with Hooker, W. W.) Iterative procedure for operators.
- Thompson, John G.** 192: (with Feit, Walter) Finite groups which contain a self-centralizing subgroup of order 3. 1352: (with Feit, Walter) A solvability criterion for finite groups and some consequences.
- Thompson, R. C.** 133: A determinantal inequality for positive definite matrices. 3722: A note on normal matrices. 5073: On matrix commutators.
- Thompson, W. A., Jr.** 5686: Estimation of dispersion parameters.
- Thorp, Edward O.** 2892: (with Goldberg, Seymour) On some open questions concerning strictly singular operators. 4182: (with Goldberg, Seymour) The range as range space for compact operators.
- Thouless, D. J.** 1133: ★The quantum mechanics of many-body systems. 2235: Stability conditions and nuclear rotations in the Hartree-Fock theory. 2236: (with Brown, G. E.) Relation between many-body and single-particle aspects in nuclei. 2244: (with Peierls, R. E.) Variational approach to collective motion.
- Thouvenot, Stéphane.** 3640: ★Propriétés arithmétiques déduites d'une présentation simplifiée de la formule du binôme.
- Thron, W. J.** 4307: Lattice-equivalence of topological spaces. 1433: (with de Pree, J. D.) On sequences of Möbius transformations.
- Thunga, R.** 2203: (with Ramakrishnan, Alladi and Radha, T. K.) On the decomposition of the Feynman propagator.
- Thurston, G. A.** 5792: A numerical solution of the nonlinear equations for axisymmetric bending of shallow spherical shells.
- Thyrion, P.** 824: Note sur les distributions "par grappes".
- Tiago de Oliveira, J.** 3631: Modular systems. 4383: Les distributions bivariées de marges données et l'estimation de ses paramètres. 5670: Invariant estimators for location and dispersion parameters. 7091: The asymptotic independence of the sample mean and extremes. 7092: Decision results; for location and dispersion parameters.
- Tick, Leo J.** 7121: Conditional spectra, linear systems, and coherency.
- Tiersten, H. F.** 5802: Thickness vibrations of piezoelectric plates. 5803: Wave propagation in an infinite piezoelectric plate. 2057: (with Mindlin, R. D.) Effects of couple-stresses in linear elasticity.
- Tikhomirov, V. M.** 1698: The ε -entropy of certain classes of periodic functions.
- Tikhonov, A. N.** 7150: (with Gorbunov, A. D.) Optimality of implicit difference schemes of Adams type. 4494: (with Samarkil, A. A.) On the stability of difference schemes.
- Tikhonov, V. A.** 694: On the foundations of affine bending of a surface. 4276: On a type of Ribaour transformation. 5485: Surfaces of constant mean curvature with an infinite number of spherically conjugate Chebyshev or geodesic nets. 5486: The Ribaour transformation in conformal geometry.
- Tikhonov, V. I.** 7015: (with Kuznetsov, P. I. and Stratonič, R. L.) Some problems with conditional probability and quasi-moment functions.
- Tiktopoulos, G.** 1094a: (with Oehme, R.) Complex angular momentum in relativistic dispersion theory.
- Tillman, H. G.** 5423: Vector-valued distributions and the spectral theorem for selfadjoint operators in Hilbert space.
- Timan, A. F.** 6932: On the metrization theorem of P. S. Urysohn.
- Timan, M. F.** 2304: (with Ponomarenko, V. G.) On classes of saturation of functions of many variables.
- Ting, Tsuan Wu.** 5478: An isoperimetric inequality for moments of inertia of plane convex sets.
- Tirneveanu, Mircea.** 1247: Sur les extensions des types P et Q de la logique \mathcal{L}_{Ω^t} . 1248: Sur la fonction de valence logique Ψ . 2469: About nilpotence and radical. 4906: Sur la réalisation d'un modèle géométrique du système Σ .
- Tischer, F. J.** 4633: Fields excited in a receiving-type antenna.
- Tisza, László.** 3368: The thermodynamics of phase equilibrium.
- Titchmarsh, E. C.** 389: On the nature of the spectrum in problems of relativistic quantum mechanics. II. 5311: On the nature of the spectrum in problems of relativistic quantum mechanics. III.
- Tits, J.** 651: Ovoides à translations. 3753: Une classe d'algèbres de Lie en relation avec les algèbres de Jordan. 6174: Groupes semi-simples isotropes.
- Tiwari, Ramji.** 4798: (with Roy, S. R.) A composite field in Einstein's Unified Field Theory. 5961: (with Roy, S. R.) A composite field in Einstein's Unified Field Theory. II. 7418: (with Roy, S. R.) A particular solution of the gravitational equations of a composite field in Einstein's Unified Field Theory.
- Tkačev, V. F.** 1544: Necessary and sufficient conditions for the stability, semistability and non-stability of a limit cycle and some of their applications.
- Tobergie, Jürgen.** 4114: (with König, Heinz) Ein Problem der Approximation mit trigonometrischen Funktionen. 5426: (with König, Heinz) Reversibilität und Irreversibilität von linearen dissipativen Systemen.
- Toda, Hirosi.** 777: ★Composition methods in homotopy groups of spheres.
- Toda, Iwao.** 3513: (with Kondo, Mamoru and Muroga, Saburo) Majority decision functions of six variables.
- Todorov, I. T.** 3428: (with Logunov, A. A. and Černikov, N. A.) Generalization of Symanzik's theorem on the majorization of Feynman graphs.
- Togliatti, E. G.** 692: Sur les variétés à trois dimensions de l'espace à cinq dimensions dont les tangentes principales présentent des coïncidences. 5499: Varietà a tre dimensioni particolari.
- Tōgō, Shigeaki.** 2542: Note on formal Lie groups. II.
- Tokuoka, Tatsuo.** 4566: Uniqueness criterion of deformation of Voigt type viscoelastic body.
- Tolins, I. S.** 4570: (with Boley, B. A.) Transient coupled thermoelastic boundary value problems in the half-space.
- Tolstey, Ivan.** 5518: The theory of waves in stratified fluids including the effects of gravity and rotation.
- Tomás, Francisco.** 6349: P -adic integration.
- Tomić, M.** 5341: Remarque sur ma note "La convergence absolue des séries de Fourier". 6673: Sur l'ordre de grandeur des coefficients de Fourier d'une classe spéciale des fonctions L^p .
- Tomiuk, Bohdan J.** 626: Structure theory of complemented Banach algebras.
- Tomiyama, Jun.** 619: Topological representation of C^* -algebras. 4203: A characterization of C^* -algebras whose conjugate spaces are separable.
- Tomonaga, Sin-Itiro.** 7320: ★Quantum mechanics. Vol. I: Old quantum theory.
- Tomonaga, Yasurō.** 1897: Note on differential topology. I.
- Tondeur, Philippe.** 254: Zur Frage der Überdeckbarkeit einer Lieschen Gruppe durch ihre einparametrischen Untergruppen. 2973: Bemerkungen zur Frage der "Metrisierbarkeit" einer linearen Übertragung.
- Tong, B. Y.** 4652: On Huby's rules for non-degenerate Rayleigh-Schrödinger perturbation theory in any order.
- Tonnelat, Marie-Antoinette.** 4792: (with Lederer, Sylvie) Définition de l'impulsion-énergie gravitationnelle dans une théorie euclidienne du champ de gravitation.
- Tönnov, M.** 1655: (with Kangro, G.) Summability factors in sequences for the method of weighted Riesz means.
- Tonolo, Angelo.** 4019: Esplicita soluzione del problema di Cauchy per una classe di sistemi lineari di equazioni a derivate parziali del primo ordine a coefficienti costanti.
- Tonić, Enzo.** 7390: Le forze apparenti della meccanica classica in relatività generale.
- Tornheim, Leonard.** 5718: Determination of large parallelepipeds.

- Törnqvist, Leo. 5655: On distribution functions for quantities related to networks.
- Tortrat, A. 6341: Comparaison de deux mesures sur une σ -algèbre à base dénombrable lorsqu'elles présentent pour une suite de partages finis (ou dénombrables) certains rapports de concentration.
- Toscano, Letterio. 2659: Contributo alla formazione del formulario dei polinomi ultrasferici. 3942: Formule d'addition des polynômes ultrasphériques par rapport au paramètre. 3955: Sur une équation différentielle linéaire.
- Toskey, Burnett R. 3746: Ordered products of rings.
- Tóth, L. Fejes = Fejes Tóth, L.
- Toupin, R. A. 2056: Elastic materials with couple-stresses. 2561: (with Bernstein, B.) Some properties of the Hessian matrix of a strictly convex function. 2055: (with Truesdell, C.) Static grounds for inequalities in finite strain of elastic materials.
- Tovmasjan, N. E. 2631: Some properties of harmonic function in n -space with a singularity on the boundary of the domain. 5310: Boundary-value problems for the Tricomi equation with discontinuous boundary conditions.
- Townes, S. B. 76: Notes on the Diophantine equation $x^2 + 7y^2 = 2^{n+2}$.
- Townsend, A. A. 3320: The behaviour of a turbulent boundary layer near separation.
- Traczyk, T. 6078: Some theorems on independence in Post algebras.
- Trahtenbrot, B. A. 1246: Finite automata and the logic of single-place predicates. 4908: Finite automata and the logic of one-place predicates. 4866: (with Kobrinakil, N. E.) ★Introduction to the theory of finite automata.
- Tran Van Tan. 5950: Sur le laplacien d'un tenseur-spineur en relativité générale.
- Traub, J. F. 2003: Comparison of iterative methods for the calculation of n th roots.
- Trautman, Andrzej. 1180: Conservation laws in general relativity. 4776: Analytic solutions of Lorentz-invariant linear equations.
- Trawinski, B. J. 1974: (with David, H. A.) Selection of the best treatment in a paired-comparison experiment.
- Treder, H. 7398: Gravitationsfelder mit Nullstellen der Determinante der $g_{\mu\nu}$. 5948: (with Papapetrou, Achille) Sur la non-existence de solutions statiques partout régulières en relativité générale. 5949: (with Papapetrou, Achille) Le problème des solutions stationnaires partout régulières en relativité générale.
- Tredgold, R. H. 1159: (with Pugh, D. and Rhys-Roberts, C.) Unstable solutions and surface states.
- Trejo, César A. 2552a: (with Rey Pastor, Julio and Pi Calleja, Pedro) ★Mathematical analysis. Vol. I: Algebraic analysis. Theory of equations. Infinitesimal calculus of one variable. 2552b: (with Rey Pastor, Julio and Pi Calleja, Pedro) ★Mathematical analysis. Vol. II: Infinitesimal calculus of several variables. Applications. 2552c: (with Rey Pastor, Julio and Pi Calleja, Pedro) ★Mathematical analysis. Vol. III: Functional analysis and applications.
- Trench, William F. 412: On the asymptotic behavior of solutions of second order linear differential equations.
- Trent, H. M. 758: (with Auslander, L.) On the realization of a linear graph given its algebraic specification. 3044: (with Auslander, L.) Generalized automorphisms of labelled graphs and graphical invariants.
- Trèves, François. 6580: Fundamental solutions of linear partial differential equations with constant coefficients depending on parameters. 6581: Équations aux dérivées partielles inhomogènes à coefficients constants dépendant de paramètres. 6582: Un théorème sur les équations aux dérivées partielles à coefficients constants dépendant de paramètres.
- Trèvisan, Giorgio. 6473: Sull'equazione di Riccati generalizzata.
- Tricomi, Francesco G. 4597: Méthodes pour l'étude des équations de l'aérodynamique transonique. 984: (with Ferrari, C.) ★Aérodynamique transonique.
- Trjitzinsky, W. J. 1436: Méthodes totalisantes dans les représentations de fonctions d'une variable complexe.
- Trnková, Věra = Šedivá-Trnková, Věra.
- Trofimov, P. I. 6238: A study of the influence on properties of a finite group of the greatest common divisor of the orders of all its classes of non-invariant conjugate Sylow subgroups.
- Troickii, V. A. 1230: On variational problems of optimization of control processes. 4616: Variational problems in the optimization of control processes in systems with bounded coordinates. 6542: Variational problems for the optimization of control processes with functionals depending on intermediate values of the coordinates.
- Troitskii, V. A. = Troickii, V. A.
- Trostel, R. 2065: Die Grundgleichungen für den Verbund bei Stahlbeton-Rechteckplatten.
- Trotin, Jean-Claude. 7363: (with Loupia, Guy and Sirugue, Michel) Un schéma d'interactions fortes basé sur le groupe B_3 .
- Trotter, H. F. 761: Homology of group systems with applications to knot theory.
- Troyer, Robert J. 5115: (with Ziemer, William P.) Topologies generated by outer measures.
- Truesdell, C. 1135: Ergodic theory in classical statistical mechanics. 3253: Solutio generalis et accurata problematum quamplurimorum de motu corporum elasticorum incomprimibilium in deformationibus valde magnis. 3254: Addendum ad observationem meas de motibus corporum elasticorum: "Solutio generalis et accurata problematum quamplurimorum de motu corporum elasticorum incomprimibilium in deformationibus valde magnis". 2055: (with Toupin, R.) Static grounds for inequalities in finite strain of elastic materials.
- Trümper, Manfred. 3487: Über die mathematische Struktur und eine Klasse strenger Lösungen der Jordanschen erweiterten Gravitations-theorie.
- Trulin, G. I. 2960: A λ -conjugate system.
- Trytton, George N. 6556: Pointwise bounds for solutions of the Cauchy problem for elliptic equations.
- Tschupik, Josef P. 6830: Metrische Konstruktionen in orthogonalen G -Systemen.
- Tsuda, Takao. 2316: A theory of the turbulent electric field fluctuations in electron plasmas. I.
- Tsutsumi, Akira. 6592: On the existence of local solutions for some linear partial differential operators.
- Tsybakov, B. S. = Cybakov, B. S.
- Tubis, A. 2224: (with Sugawara, M.) High-energy behavior of elastic-scattering amplitudes.
- Tucker, A. W. 7448: (with Miller, C. E. and Zemlin, R. A.) Integer programming formulation of traveling salesman problems.
- Tucker, D. H. 1623: An existence theorem for a Goursat problem. 2865: A note on the Riesz representation theorem. 389: (with Coles, W. J.) Equivalence of certain differential equations.
- Tucker, Howard G. 4387: Absolute continuity of infinitely divisible distributions.
- Tucker, Patricia A. 1353: On the reduction of induced representations of finite groups.
- Tulcea, Alexandra Ionescu. See Ionescu Tulcea, Alexandra.
- Tulcea, Cassius Ionescu. See Ionescu Tulcea, Cassius.
- Tulegenov, M. U. 1638: An existence theorem for the solutions of a denumerable system of partial differential equations.
- Tull, Jack P. 2417: (with Bateman, Paul T. and Kohlbecker, Eugene E.) On a theorem of Erdős and Fuchs in additive number theory.
- Tumarkin, G. C. 333: The decomposition of analytic functions in series of rational fractions with a given set of poles.
- Tupčiev, V. A. 2696: The asymptotic behavior of the solution of a boundary-value problem for a system of first-order differential equations with a small parameter on the derivative.
- Turán, P. 2587: On a certain problem in the theory of power series with gaps. 3681: On a density theorem of Yu. V. Linnik. 2614: (with Alpár, László) Sur la distribution des valeurs d'une fonction entière. 4094: (with Balázs, J.) Notes on interpolation. VIII. Mean convergence in infinite intervals. 4093: (with Erdős, P.) An extremal problem in the theory of interpolation. 3682a: (with Knapowski, S.) Comparative prime-number theory. I. Introduction. 3682b: (with Knapowski, S.) Comparative prime-number theory. II. Comparison of the progressions $\equiv 1 \pmod{k}$ and $\equiv l \pmod{k}$, $l \not\equiv 1 \pmod{k}$. 3682c: (with Knapowski, S.) Comparative prime-number theory. III. Continuation of the study of comparison of the progressions $\equiv 1 \pmod{k}$ and $\equiv l \pmod{k}$. 3683a: (with Knapowski, S.) Comparative prime-number theory. IV. Paradigma to the general case, $k=8$ and 5 . 3683b: (with Knapowski, S.) Comparative prime-number theory. V. Some theorems concerning the general case. 3683c: (with Knapowski, S.) Comparative prime-number theory. VI. Continuation of the general case.

- Turbatu-Biliciuescu, S. 5400: Fonctionnelles linéaires sur certains espaces ordonnés pseudo-normés.
- Turcotte, D. L. 4615: (with Lyons, J. M.) A periodic boundary-layer flow in magnetohydrodynamics.
- Tureckii, A. H. 533: (with Bobkov, V. V.) Asymptotic inequalities for adjoint trigonometric polynomials.
- Turn, R. 3234: (with Cantor, D. and Estrin, G.) Logarithmic and exponential function evaluation in a variable structure digital computer. 4599: (with Cantor, D. G.; Estrin, G. and Fraenkel, A. S.) A very high-speed digital number sieve.
- Turner, R. E. 1037: (with Kossaly, G.) Quasi-classical approximation in neutron scattering.
- Turowicz, A. 4014: Remarque sur un travail de R. V. Gamkrelidze relatif aux régimes optimaux glissants.
- Turrittin, H. L. 409: A canonical form for a system of linear difference equations. 6463: Reducing the rank of ordinary differential equations.
- Tutte, W. T. 39: A census of slicings. 4343: A census of planar maps. 5560: Symmetrical graphs and coloring problems.
- Tutubalim, V. N. 2826: The limit behavior of measure compositions in certain symmetric spaces. 2821: The limiting behavior of measure compositions on the complex unimodular group. 2822: Sur la conduite limite des compositions des mesures dans le plan L_2 et l'espace L_2 de Lobatchevski.
- Tversky, Victor. 3364: On a general class of scattering problems. 4630: On scattering of waves by random distributions. I. Free-space scatterer formalism. 4631: On scattering of waves by random distributions. II. Two-space scatterer formalism.
- Twomey, S. 5757: On the numerical solution of Fredholm integral equations of the first kind by the inversion of the linear system produced by quadrature.
- Tynjanskii, N. T. 1881: A relation of duality of linking for manifolds not satisfying the condition of acyclicity. 3048: Exactness of limit sequences of the inverse spectrum of exact sequences of discrete groups.
- Tynnov, M. = Tönnov, M.
- Tyrrell, J. A. 5001: (with Reeve, J. E.) Quotient bilinear forms.
- U, Hua-imo. 7159: The asymptotic behavior of the numerical solution of the Cauchy problem for a first-order quasi-linear equation.
- Uchiyama, Saburō. 2413: Three primes in arithmetical progression. 952: (with Lin, T. H. and Martin, D.) Stress field in metals at initial stage of plastic deformation.
- Udalov, A. S. 1819: On the theory of curves in projective n -space.
- Udrescu, Valeriu St. 5038: An axiomatic presentation of the relative homological algebra of discrete groups.
- Ueno, Sueo. 2275: (with Bellman, Richard and Kalaba, Robert) Invariant imbedding and time-dependent diffuse reflection by a finite inhomogeneous atmosphere.
- Ueno, Tadashi. 1926: The diffusion satisfying Wentzell's boundary condition and the Markov Process on the boundary. I, II. 7051: The Brownian motion satisfying Wentzell's boundary condition.
- Ulfand, Ja. S. = Ufjand, Ja. S.
- Ufjand, Ja. S. 7292: Nonstationary, plane, parallel flow of a viscous electrically-conducting gas with anisotropic conductivity. 4613: (with Sakhnovskii, E. G.) The influence of anisotropic conductivity on the unsteady motion of a conducting gas in a plane channel.
- Uhlenbeck, G. E. 7379: Some aspects of kinetic theory. 5924: (with Hemmer, P. C. and Kac, M.) On the van der Waals theory of the vapor-liquid equilibrium. II. Discussion of the distribution functions. 5923: (with Kac, M. and Hemmer, P. C.) On the van der Waals theory of the vapor-liquid equilibrium. I. Discussion of a one-dimensional model.
- Uhlhorn, U. 2257: On the mathematical structure of the quantum statistics for time-dependent phenomena.
- Uhlmann, Armin. 3403: Spectral integral for the representation of the space-time translation group in relativistic quantum theory.
- Uhlmann, Werner. 2020: Über den Fehler bei Differenzenverfahren für die Poisson'sche Differentialgleichung.
- Ukegawa, Takasaburo. 2471: Zur Idealtheorie in Ordnungen.
- Ulanovskii, M. A. 4288: The motion group and the endomorphisms of the space of affine connections.
- Ul'janov, P. L. 2798: Weyl factors for unconditional convergence. 2351: (with Aleksandrov, P. S.) Dmitrii Evgen'evič Men'šov (on his seventieth birthday).
- Ullman, J. L. 526: Tchebycheff quadrature is possible on the infinite interval. 5330: Tchebycheff quadrature on the infinite interval.
- Umegaki, Hisaharu. 7433: Entropy functionals in stationary channels. 614: (with Nakamura, Masahiro) On the Blackwell theorem in operator algebras.
- Umemura, Yasuo. 6093: Rotationally invariant measures in the dual space of a nuclear space.
- Umezawa, H. 1080: (with Ezawa, H. and Kikkawa, K.) A formulation for the bound-state problems. 4684: (with Konuma, Michiji and Wada, Morihiro) General theory of the gauge transformation for vector meson fields.
- Underhill, J. 2221: Dispersion relations for a two-channel scattering process: residues of the scattering amplitudes.
- Ungureanu, Elena. 4618: Sur la généralisation de la formule de Milionchitskova.
- Unti, Theodore W. J. 5946: (with Newman, Ezra T.) Behavior of asymptotically flat empty spaces.
- Urabe, Minoru. 5225: Numerical study of periodic solutions of the van der Pol equation.
- Ural'ceva, N. N. 453: Boundary-value problems for quasi-linear elliptic equations and systems with principal part of divergence type. 6572: (with Ladyženskaja, O. A.) On the smoothness of weak solutions of quasilinear equations in several variables and of variational problems. 5273: (with Ladyženskaja, O. A.) Admissible extensions of the concept of solution for linear and quasi-linear elliptic equations of second order. 5300: (with Ladyženskaja, O. A.) The first boundary-value problem for quasi-linear second-order parabolic equations of general type. 6571: (with Ladyženskaja, O. A.) Quasilinear elliptic equations and variational problems in several independent variables.
- Ural'ceva, N. N. = Ural'ceva, N. N.
- Urban, Alois. 2955: Geometry of tessellations in the plane.
- Urban, P. 3384: (with Neuer, H.) Nichtrelativistische Näherungen der Diracgleichung.
- Urbanik, K. 2819: Fourier analysis in Marcinkiewicz spaces. 5632: The limiting behaviour of indecomposable branching processes. 5922: The principle of increase of entropy for spin operators. 3471: (with Ingarden, Roman S.) Quantum informational thermodynamics. 4830: (with Ingarden, R. S.) Information without probability. 60: (with Marczewski, E.) Abstract algebras in which all elements are independent.
- Urbanowski, W. 7243: (with Olszak, W. and Rychlewski, J.) Plasticity under non-homogeneous conditions.
- Usol'cev, L. P. 1286: Estimates of large deviations in certain problems on an incomplete system of residues. 4982: An analogue of the Fortet-Kac theorem.
- Usui, Tunemaru. 2245: Excitations in a high density electron gas. I. 2246: (with Fujita, Emiko) Excitations in a high density electron gas. II. Diamagnetism.
- Utiyama, Ryoya. 4791: (with DeWitt, Bryce S.) Renormalization of a classical gravitational field interacting with quantized matter fields.
- Utumi, Y. 137: On rings of which any one-sided quotient rings are two-sided.
- Utz, W. R. 4321: Functions with uniform inverses.
- Uvarov, V. B. 6679: Relation between polynomials orthogonal with different weights.
- Uzakov, G. T. 3993: On stability according to the first approximation.
- Uldavinis, R. V. 100: On the joint distribution of values of additive arithmetic functions of integral polynomials. 2390: Some limit theorems for additive arithmetic functions.
- Vaccaro, G. 2951: Caratterizzazione proiettiva della superficie minima di Enneper. 5952: Sulle superficie d'area minima. 4278: Sopra alcune classi di superficie rigate nello spazio ordinario. 6872: Sopra alcune classi di rigate iperspaziali.
- Vačnadze, G. A. 4226: On the reduction of projective spaces to perspective correspondence.
- Văduva, I. 4290: On spaces with affine connexion associated with real algebras.

- Vaghi, Carlo. 6619: Sulla regolarizzazione delle soluzioni quasi-periodiche dell'equazione non omogenea delle onde.
- Vagner, V. V. 4949: Semi-direct product of binary relations and binary decomposable semigroups. 5096: Restrictive semigroups.
- Vaida, Dragoș. 7136: (with Barbilat, Ioan) Le cas limite du critère de Wittmeyer pour la méthode de Gauss-Seidel. 1645: (with Vălcovici, V.) Sur une équation fonctionnelle.
- Vaidyanathan, P. 2656: A note on the arrangement of coefficients of orthogonal polynomials.
- Vaillant, Jean. 5266: Étude des discontinuités sur les caractéristiques multiples des systèmes d'équations aux dérivées partielles linéaires, homogènes, à coefficients constants, ne contenant que des dérivées de l'ordre le plus élevé. 5267: Équations aux discontinuités pour les systèmes linéaires homogènes à coefficients constants d'équations aux dérivées partielles.
- Vainberg, B. R. 472: Asymptotic behavior of the fundamental solutions of hypo-elliptic equations in two variables and a problem with conditions at infinity.
- Vainstein, F. A. 2063: (with Hrustalev, A. F.) A boundary-value problem for the equation of bending of a thin plate.
- Väistölä, Jussi. 5148: On the null-sets for extremal distances.
- Vaisman, Izu. 2950: The tensor characteristic of the pairs of diagonal nets. 6882a: Sur les variétés non holonomes réglées de l' S_2 euclidien. 6882b: Quelques observations sur les variétés non holonomes réglées de l' S_2 euclidien.
- Vajda, S. 5983: ★Readings in mathematical programming.
- Válaš, Miroslav. 7182: ★Thinking machines.
- Vălcovici, Victor. 3242: The new form of the principle of virtual displacements. 5826: Bernoulli's surfaces. 1645: (with Vaida, Dragoș) Sur une équation fonctionnelle.
- Valeev, K. G. 1593: On linear differential equations with exponential coefficients and stationary delays of the argument. Regular case. 6466: On the solution and characteristic exponents of solutions of some systems of linear differential equations with periodic coefficients.
- Valette, Guy. 693a: Sur la géométrie conforme des rubans. I. Les rubans et leurs paramétrisations invariantes. 693b: Sur la géométrie conforme des rubans. II. La méthode du repère mobile. 693c: Sur la géométrie conforme des rubans. III. Application à la théorie des surfaces.
- Val'fik, A. A. 83: Coefficient sums of some Dirichlet series.
- Vallander, S. V. 3473: (with Gurmuzeva, E. A. and Filippov, B. V.) Integral kinetic equations for an arbitrary conservative field of external mass forces.
- Vallés, Francisco de A. Sales. See Sales Vallés, Francisco de A.
- Valov, G. M. 3263: On the axially-symmetric deformations of a solid circular cylinder of finite length.
- Van, Kon-tin. 4624: (with Din, Sja-si; Ma, Žu-njañ and Čzan, Tun) Necessary and sufficient conditions for uniqueness of the Dirichlet problem for a system of second-order elliptic equations with constant coefficients.
- Van Bouchout, V. 1806: A property of Tchebychef nets.
- Vandakurov, Ju. V. = Vandakurov, Ju. V.
- Vandakurov, Ju. V. 5840: On the theory of stability of a fluid conducting cylinder in a magnetic field.
- Vandervoort, Peter O. 2047: The nonconstancy of the adiabatic invariants.
- Van de Wetering, R. L. 7196: Motions in the Euclidean plane under the action of some harmonic gradient fields.
- Vandiver, H. S. 66: On developments in an arithmetic theory of the Bernoulli and allied numbers.
- Van Dyke, Milton. 5824: Higher approximations in boundary-layer theory. I. General analysis. 5825: Higher approximations in boundary-layer theory. II. Application to leading edges.
- Van Hove, L. 1139: The problem of master equations. 4723: Ground state theory of imperfect Fermi gases. 7372: (with Janner, A. and Verboven, E.) The evolution to quantum statistical equilibrium for a simple model. The strong coupling limit.
- Van Norton, R. 4771: On the real spectrum of a mono-energetic neutron transport operator.
- Vanstone, J. R. 4799: The general static spherically symmetric solution of the "weak" unified field equations.
- Van Tan, Tran. See Tran Van Tan.
- Van Vleck, F. S. 5246: Invariant manifolds for some autonomous systems.
- Varadarajan, V. S. 6342: Measures on topological spaces. 6355: On a problem in ergodic theory. 7007: (with Fix, M.) A condition for absolute continuity of infinitely divisible distribution functions.
- Varga, O. 728: Zur Begründung der Hilbertschen Verallgemeinerung der nichteuklidischen Geometrie.
- Varga, R. S. 3719: Over-relaxation applied to implicit alternating direction methods. 3207: (with Golub, Gene H.) Chebyshev semi-iterative methods, successive overrelaxation iterative methods, and second order Richardson iterative methods. I. 3208: (with Golub, Gene H.) Chebyshev semi-iterative methods, successive overrelaxation iterative methods, and second order Richardson iterative methods. II.
- Varma, Ram K. 1151: Kinetic equations for a plasma.
- Varma, V. K. 6701: On self-reciprocal functions involving infinite series.
- Varshney, O. P. 5352: On the matrix summability of the derived Fourier series. 5353: Note on H_2 summability of Fourier series.
- Varvak, P. M. 938: A space problem in elasticity theory for a cube with a cubical cavity.
- Vasile, Petar M. 2663: Sur une équation différentielle du second ordre. 3961: Sur une équation différentielle linéaire du second ordre. 5318: Équation fonctionnelle d'un certain type de déterminants. 6332: Sur une inégalité.
- Vasilach, Serge = Vasilache, Sergiu.
- Vasilache, Sergiu. 1614: New boundary problems for some classes of integro-differential equations on partial differential equations. 2832: Calcul opérationnel algébrique pour fonctions et distributions à support dans R_+^n , $n \geq 1$. 5421: Calcul opérationnel algébrique des distributions à support dans R_+^n , $n \geq 1$. III.
- Vasilake, Seržiu = Vasilache, Sergiu.
- Vasil'ev, V. V. 560: On the solution of the Cauchy problem for a class of linear integro-differential equations. 6719: Letter to the editor.
- Vasil'eva, A. B. 4007: Asymptotic behavior of solutions of differential-difference equations for small deviation of the argument.
- Vasil'kovskii, V. V. 2554: (with Mylkis, A. D.) On the continuation of continuously differentiable functions.
- Văduț, A. 1028: The theory and structure of the temperature image.
- Vastano, A. C. 921: (with Maskit, A. V.) Interior value problems of mathematical physics. I. Wave propagation. 922: (with Maskit, A. V.) Interior value problems of mathematical physics. II. Heat conduction.
- Vatazhan, A. B. = Vatazin, A. B.
- Vatazin, A. B. 4609: The solution of several boundary problems in magnetohydrodynamics. 2125: (with Regirer, S. A.) Approximate calculation of the current distribution when a conducting fluid flows along a channel within a magnetic field.
- Vaught, R. L. 4912: Models of complete theories.
- Vedovina, E. V. 5221: Some conditions for the existence of divergent integrals of the equation $\dot{y} = f(y, \dot{y})$.
- Vedernikov, V. I. 2967: ($n - 1$)-parameter families of hyperspheres in M_n .
- Vele, B. E. 4149: On some properties of unconditional convergence bases.
- Vejvoda, Otto. 1558: On the periodic solution of a quasi-linear non-autonomous system.
- Vekilov, Š. I. 346: Solution of a boundary-value problem by the Schwarz alternating method. 347: Solution of a mixed problem by the method of integral equations.
- Veksler, A. I. 509: On the homomorphism between the classes of regular operators in K -lineals and their completions. 6742: Completeness and σ -completeness of normed and linear topological lattices.
- Vekus, N. P. 1725: Systems of linear integro-differential equations with small parameter. 4139: (with Isaakov, R. S.) On a class of singular integral equations, solved effectively.
- Velikamp, F. D. 2375: Embedding of a distributive lattice-like structure into a Boolean algebra.
- Vel'retin, R. A. 3227: (with Savinov, G. V.) The application of electronic analog computers to certain extremal problems.

- Veltman, M. 7334: Unitarity and causality in a renormalizable field theory with unstable particles.
- Vembu, S. 5357: Fourier transformation of the n -dimensional radial delta function.
- van de Ven, A. 5594: (with Remmert, R.) Zur Funktionentheorie homogener komplexer Mannigfaltigkeiten.
- van de Ven, Ton. 3887: (with Remmert, Reinhold) Über holomorphe Abbildungen projektiv-algebraischer Mannigfaltigkeiten auf komplexe Räume.
- Venevcev, Ju. N. 3482: (with Ljubimov, V. N. and Ždanov, G. S.) Calculation of electric fields in complex dipole structures.
- Venkataraman, M. 1728: Spectral theory in Hilbert space.
- Venkates, H. G. 4627: Formalized system of equations in electromagnetism.
- Venkatesan, P. S. 3797: On regular semigroups. 5082: On a class of inverse semigroups.
- Venteel', A. D. 7014: On the absolute continuity of transition probabilities of a one-dimensional diffusion process.
- Verblunsky, S. 2619: On a class of Cauchy exponential series. II. 6759: On some biorthogonal systems.
- Verbeven, E. 7372: (with Janner, A. and Van Hove, L.) The evolution to quantum statistical equilibrium for a simple model. The strong coupling limit.
- Verlian', A. F. 4497: On the solutions of integral equations of Volterra type by means of direct-current analog computers.
- Verma, Ghasi R. 2084: (with Keller, Joseph B.) Three-dimensional standing surface waves of finite amplitude.
- Verma, P. D. 965: The pulsating viscous flow superposed on the steady laminar motion of incompressible fluid in a tube of elliptic section. 966: The pulsating viscous flow superposed on the steady laminar motion of incompressible fluid between two co-axial cylinders. 7247: Couette flow of certain anisotropic fluids.
- Verma, Y. K. 7282: (with Auluck, F. C.) On the magnetogravitational instability of a homogeneous medium in nonuniform and nonsteady rotation.
- Verma, P. 3638: Fixed points in graph-colouring.
- Verner, A. L. 6909: Reconstruction of a convex surface by the supporting function in a Lobachevsky space.
- Vernotte, Pierre. 891: À propos des systèmes à une infinité d'inconnues constitués par des équations linéaires dont les premiers membres apparaissent comme des développements divergents. 2669: Comment, dans une série entière, raccorder une condition à l'origine et une condition à l'infini. 7181: Le vrai problème des représentations approchées.
- Verlik, A. M. 6357: A spectral and metrical isomorphism of certain normal dynamical systems.
- Vescan, Théophile T. 2308: La géométrisation des problèmes de la mécanique relativiste du point matériel.
- Viano, G. A. 2217: (with Rogge, T.) The interpolation problem in the theory of complex angular momentum. 5867: (with Gallina, V.; Nata, P. and Bianchi, L.) On the three-body Green's function for S -states.
- Vicente, R. O. 7433: The elasticity of the Earth's outer core. I.
- Viehmann, F. 1651: On generalized summability factors. 1652: (with Kangro, G.) Abstract summability factors for the method of weighted Riesz means.
- Vidal Abascal, E. 6916: New proof of the Steiner formulae in a general S^{n+1} .
- Vigier, Jean-Pierre. 1106: (with Hillion, Pierre) Théorie des résonances considérées comme états excités internes du modèle du rotateur relativiste des particules élémentaires.
- Vilenkin, N. Ja. 4173: (with Gel'fand, I. M.) ★Generalized functions, No. 4. Some applications of harmonic analysis. Equipped Hilbert spaces.
- Vilkas, L. 3604: Zones of normal convergence in the higher-dimensional case.
- Villa, M. 1820: Applicabilité projective des 3-tissus et des transformations ponctuelles.
- Villamayor, O. E. 169: (with Bruschi, M. L.) Formulation of the theorem of acyclic modules.
- Villani, Vinicio. 4372: Un criterio per l'estensione di applicazioni olomorfe.
- Vinberg, È. B. 252: The Morozov-Borel theorem for real Lie groups. 253: Convex homogeneous domains.
- Vincensini, Paul. 1477: Sur le transport tangentiel des fonctions harmoniques. 2627: Sur l'application, par un opérateur intégral, de certains ensembles fonctionnels sur l'espace harmonique.
- Vincenti, Walter G. 982: Linearized flow over a wedge in a nonequilibrium oncoming stream.
- Vincze, E. 503: Eine allgemeine Methode in der Theorie der Funktionalgleichungen. I. 2758: A generalization of the d'Alembert-Poisson functional equation. 2759: (with Hoszta, M.) Über die Verallgemeinerungen eines Funktionalgleichungssystems der Wirtschaftlichkeit.
- Vincze, I. 3138: (with Csáki, E.) On some problems connected with the Galton-test.
- Vinnemann, Claus Dieter. 7327: (with Giese, Richard-Heinrich; de Bary, Elisabeth and Bullrich, Kurt) Tabellen der Streufunktionen $i_1(\phi)$, $i_2(\phi)$ und des Streuquerschnittes $K(a, m)$ homogener Kugelchen nach der Mie'schen Theorie.
- Vinogradov, A. I. 1292: On the remainder in Merten's formula. 6136: Double sums related to the zeros of the Dirichlet L -series.
- Vinogradov, I. M. 3693: On the distribution of systems of fractional parts of values of several polynomials.
- Vinogradova, I. A. 6356: On the A -integration of a function which is conjugate to a summable function.
- Vinokurov, V. G. 3854: Representations of Boolean algebras and spaces with measure.
- Vintilă, V. 3855: La représentation conforme de domaine multiplyement connexe sur le domaine canonique.
- Virčenko, N. A. 2626: (with Pahareva, N. A.) Some integral transformations in the class of x^k -analytic functions.
- Vil'nik, M. I. 4051: (with Agranovič, M. S.) Elliptic boundary-value problems depending on a parameter.
- Vil'nevs'kiĭ, V. V. 6913: Complex structures of a class of Kähler-Raševskij spaces.
- Viswanathan, B. 379: A generalization of Bellman's Lemma.
- Viswanathan, K. S. 3444: The many electron wave equation in the Schrödinger-Pauli form.
- Vitaver, L. M. 3040: Determination of minimal coloring of vertices of a graph by means of Boolean powers of the incidence matrix.
- Viten'ko, I. V. 6372: Determination of the zeros of Laurent series.
- de Vito, L. 632: Sulla semicontinuità di un funzionale del Calcolo delle Variazioni. 2243: Sulla equazione integro-differenziale di tipo ellittico di Volterra.
- Viviente, José L. = Viviente Mateu, José L.
- Viviente Mateu, José L. 2446a: The invariant of Zeuthen-Segre. 2446b: The invariant of Zeuthen-Segre. II. 5581: On the connected components of the functional space X^X .
- Vjaz'menskaja, L. M. 7269: (with Grib, A. A. and Baul, G.) On some singularities of gas motion at hypersonic speeds.
- Vladimirov, D. A. 3855: On the countable additivity of a Boolean measure.
- Vladimirov, V. S. 4691: Construction of envelopes of holomorphy for regions of a special type and their application.
- Vlasova, Z. A. 7156: A numerical realization of the method of reduction to ordinary differential equations.
- Vleck, F. S. Van. See Van Vleck, F. S.
- Vodička, Václav. 3369: Steady temperature in a composite rectangle. 3370: Singularités supérieures dans la théorie de la chaleur. 7218: Free vibrations of non-homogeneous membranes. 7219: Radial vibrations of an infinite medium with a cylindrical cavity.
- Volcena, V. S. 5820: The forward motion of a body over the interface of two fluids.
- Voinea, Radu P. 7186: (with Atanasiu, Mihail C.) Théorie géométrique des vis et quelques applications à la théorie des mécanismes.
- Volevič, L. R. 452: The Dirichlet problem for quasi-linear equations of elliptic type with small parameter with the highest derivatives. 6562: On the theory of boundary-value problems for general elliptic systems.
- Völkel, A. 2240: (with Diehl, H.; Flügge, S.; Schröder, U. and Weiguny, A.) Zum quantenmechanischen Dreikörperproblem. I. Grundlagen.

- Volkmann, Bodo. 5122: (with Cigler, Johann) Über die Häufigkeit von Zahlenfolgen mit gegebener Verteilungsfunktion.
- Volkonskii, V. A. 7045: An ergodic theorem for the distribution of sojourn times.
- Volkov, E. A. 1605: Solutions of boundary-value problems for the Poisson equation in a rectangle.
- Volkov, I. S. 7039: Probabilities of extreme values of sums of random variables defined on a homogeneous Markov chain with a finite number of states.
- Volkov, Ju. A. 4258: Stability of the solution of Minkowski's problem.
- Volosov, V. M. 3975: On averaging over an unbounded interval. 3976: Averaging in systems of ordinary differential equations.
- Vol'pert, A. I. 1603: On the index and normal solvability of boundary-value problems for elliptic systems of differential equations on the plane. 2720: On the index of the Dirichlet problem. 4140: Elliptic systems on the sphere and two-dimensional singular integral equations. 4177: Some theorems on linear operators.
- Vol'vachev, R. T. 1359: Sylow p -subgroups of the complete linear group.
- Vopěnka, Petr. 3610: Models for set theory. 3611: Construction of models for set theory by the method of ultra-products.
- Vorel, Zdeněk. 2161: (with Doležal, Václav and Prokop, Josef) The theory of graphs in the analysis of electrical networks.
- Vorob'ev, A. P. 5227: Isochronous systems of two differential equations. 5780: On the plane motion of a vessel with wind effect.
- Vorob'ev, N. N. 3664: ★Fibonacci numbers. 7035: An analytic characterization of independence and Markov independence.
- Vorovič, I. I. 4544: Some asymptotic relations in the statistical theory of stability of shells.
- Vorovič, I. I. = Vorovič, I. I.
- Voslamber, D. 2263: (with Callebaut, D. K.) Stability of force-free magnetic fields.
- Vrănceanu, G. 1391: Sur la mesurabilité des groupes de Lie. 2985: Sopra gli spazi di Riemann a connessione costante. 3031: Groupes de structures linéaires.
- de Vries, Hans Ludwig. 338: A remark concerning a lemma of Heinz on harmonic mappings.
- Vucinich, Alexander. 4874: Nikolai Ivanovich Lobachevskii: the man behind the first non-Euclidean geometry.
- Vušković, Vladeta. 1249: Turing algorithms. 1250: Einführung von $\Sigma_1(x)$ und $\Pi_1(x)$ in der rekursiven Gitterpunktarithmetik.
- Vuillemin, Jules. 4873: ★Mathématiques et métaphysique chez Descartes.
- Vyšn, V. 4733: Statistical mechanics of particles with negative energies.
- Waadeland, Haakon. 3912: Zur Theorie der beschränkten Funktionen.
- Wada, Junzo. 1742: Positive linear functionals on ideals of continuous functions.
- Wada, Morihiro. 4684: (with Konuma, Michiji and Umezawa, Hiroomi) General theory of the gauge transformation for vector meson fields.
- van der Waerden, B. L. 3762: Invariants birationnels.
- Wagner, A. 4254: On involutions of projective planes. 660: (with Dembowski, P.) Some characterizations of finite projective spaces.
- Wagner, Harvey M. 4449: Non-linear regressions with minimal assumptions.
- Wagner, K. 756: (with Halin, R.) Homomorphiebasen von Graphenmengen.
- Wagner, William G. 5892: Simplicity of Regge asymptotic amplitudes.
- Wakita, Hitoshi. 2198: Mathematical foundation of the quantum theory of interacting fields.
- Waldburger, Heinz. 4555: (with Läuchli, Peter) Berechnung von Beulwerten mit Hilfe von Mohrstellenoperatoren.
- Waldinger, Hermann V. 2485: A natural linear ordering of basic commutators.
- Walker, E. A. 5054: (with Irwin, J. M.) On isotype subgroups of Abelian groups. 2498: (with Irwin, John and Peery, Carol) Splitting properties of high subgroups.
- Walker, Robert J. 2438: ★Algebraic curves.
- Wall, C. T. C. 174: On the cohomology of certain groups. 783: The action of Γ_n on $(n-1)$ -connected $2n$ -manifolds. 3071: Classification of $(n-1)$ -connected $2n$ -manifolds. 3072: Cobordism exact sequences for differential and combinatorial manifolds. 5570: A characterization of simple modules over the Steenrod algebra mod 2.
- Wall, G. E. 6242: On the Clifford collineation, transform and similarity groups. IV. An application to quadratic forms.
- Wallace, A. D. 4206: Relations on topological spaces.
- Wallace, Andrew H. 3068: Modifications and cobounding manifolds. III.
- Wallis, Richard F. 3277: (with Gazis, Denos C.) Surface vibrational modes in crystal lattices with complex interatomic interactions.
- Walsh, J. L. 307: (with Motzkin, T. S.) Conformal maps of small disks. 1667: (with Motzkin, T. S.) Zeros of the error function for Tochibechoff approximation in a small region. 2788: (with Motzkin, T. S.) Polynomials of best approximation on an interval. II.
- Walsh, John E. 3136: Some two-sided distribution-free tolerance intervals of a general nature.
- Walter, John H. 188: (with Gorenstein, Daniel) On finite groups with dihedral Sylow 2-subgroups.
- Walters, K. 4562: The solution of flow problems in the case of materials with memory. I.
- Walters, Lillian C. 2159: (with Johler, J. Ralph) On the diffraction of spherical radio waves by a finitely conducting spherical earth.
- Waltman, P. 5214: Some properties of solutions of $u'' + a(t)/u = 0$.
- Wan, Zhe-xian. 3524: A proof for a graphic method for solving the transportation problem.
- Wandel, C. F. 3321: (with Kofoed-Hansen, O.) On the Eulerian-Lagrangian transform in the statistical theory of turbulence.
- Wanders, G. 1086: Analytic structure of the scattering matrix in the neutral pseudoscalar theory.
- Wang, H. C. 4284: (with Boothby, W. M. and Kobayashi, Shoshichi) A note on mappings and automorphisms of almost complex manifolds.
- Wang, Hao. 11: The calculus of partial predicates and its extension to set theory. I.
- Wang, Yuan. 3685: On sieve methods and some of their applications.
- Wannier, Gregory H. 3480: Dynamics of band electrons in electric and magnetic fields.
- Ward, G. N. 5833: On the integration of the acoustical equations.
- Ward, J. C. 3439: (with Salam, A.) Vector field associated with the unitary theory of the Sakata model.
- Ward, Joe H., Jr. 5696: Hierarchical grouping to optimize an objective function.
- Ward, John C. 5913: (with Montroll, Elliott W. and Potts, Renfrey B.) Correlations and spontaneous magnetization of the two-dimensional Ising model.
- Ward, L. E., Jr. 5546: (with Anderson, L. W.) A structure theorem for topological lattices.
- Warne, R. J. 1386: Matrix representations of d -simple semigroups.
- Warren, W. E. 5784: (with Mitchell, T. P.) The stresses in a thin circular disk rotating about an eccentric circular rigid insert.
- Warshall, Stephen. 7173: A theorem on boolean matrices.
- Wasow, Wolfgang. 404: Simplification of turning point problems for systems of linear differential equations. 3988: Turning point problems for systems of linear differential equations. II. The analytic theory.
- Watanabe, Shinzo. 1932: On stable processes with boundary conditions.
- Watanabe, Shōji. 2998: On special Kawaguchi spaces. VI. Some transformations in certain special Kawaguchi spaces.
- Watanabe, Takeshi. 5622: (with Kunita, Hiroshi) Markov processes and Martin boundaries.
- Watari, Chinami. 5329: Best approximation by Walsh polynomials.
- Watson, E. J. 5764: Primitive polynomials (mod 2).
- Watson, G. L. 81: Transformations of a quadratic form which do not increase the class-number.
- Watson, G. N. 4936: A proof of Kirkman's hypothesis.
- Watson, G. S. 5657: (with Leadbetter, M. R.) On the estimation of the probability density. I.
- Watson, J. 3315: On spatially-growing finite disturbances in plane Poiseuille flow.
- Watson, Kenneth M. 1056: (with Goldberger, Marvin L.) Concerning the notion of "time interval" in S -matrix theory. 2261: (with Kaufman, Allan N.) Statistical theory of the dielectric constant of an imperfect gas.

- Watson, R. E. 2243: (with Blume, M.) Theory of spin-orbit coupling in atoms. I. Derivation of the spin-orbit coupling constant.
- Webb, E. L. R. 792: Note on the product of random variables.
- Weber, C. 3260: Unendliche Scheiben mit Loch.
- Weber, J. 4669: (with Hinds, G.) Interaction of photons and gravitons.
- Weertman, J. 3275: Fast moving edge dislocations on the (111) plane in anisotropic face-centered-cubic crystals.
- Wegner, Peter. 4304: ★An introduction to symbolic programming.
- Wei, James. 6549: (with Norman, Edward) Lie algebraic solution of linear differential equations.
- Weichsel, P. M. 6240: On isoclinism.
- Weichsel, Paul M. 1356: (with Hobby, Charles and Rumsey, Howard) Finite groups having elements of every possible order.
- Weier, Josef. 2173: Bemerkungen zu quantenmechanischen Axiomen. 4281: Zerlegung von Differentialoperatoren über Riemannschen n -Flächen. 4653: Zur Normalisierbarkeit der Eigenlösungen einer Observablen. 6895: Invarianten bei der Transformation der Divergenz.
- Weiguny, A. 2172: (with Flügge, S.) Der Grenzübergang zum starren Körper für das quantenmechanische Dreikörperproblem. 2240: (with Diehl, H.; Flügge, S.; Schröder, U. and Völkel, A.) Zum quantenmechanischen Dreikörperproblem. I. Grundlagen.
- Weil, André. 2439: ★Foundations of algebraic geometry.
- Weil, G. 6393: (with Ahlfors, L.) A uniqueness theorem for Beltrami equations.
- Weinberg, Elliot Carl. 5064: Completely distributive lattice-ordered groups.
- Weinberg, S. 1069: (with Feinberg, G.) On the phase factors in inversions.
- Weinberger, H. F. 2726: Symmetrization in uniformly elliptic problems. 7220: (with Payne, L. E.) Some isoperimetric inequalities for membrane frequencies and torsional rigidity.
- Weinert, H. J. 3634: Über Halbringe und Halbkörper. I. 6219: Über Halbringe und Halbkörper. II.
- Weinischke, H. J. 5790: (with Reissner, Eric) Finite pure bending of circular cylindrical tubes.
- Weinstein, Alessandro. 5274: Sulle soluzioni quasi periodiche di una classe di equazioni ellittiche. 7142: A necessary and sufficient condition in the maximum-minimum theory of eigenvalues.
- Weisner, Louis. 3621: Special orthogonal Latin squares of order 10.
- von Weizs, Alexander. 123: ★Einführung in die Matrizenrechnung zur Anwendung in der Elektrotechnik.
- Weiss, E. 4844: Generalized Reed-Muller codes.
- Weiss, George H. 3516: Reliability of a system in which spare parts deteriorate in storage. 7438: A problem in equipment maintenance. 3718: (with Abraham, Phillip B.) Analytic functions of continuant matrices. 3517: (with Herman, Robert) Statistical properties of low-density traffic. 4765: (with Maradudin, A. A.) The Baker-Hausdorff formula and a problem in crystal physics. 1140: (with Shuler, Kurt E. and Andersen, Knud) Studies in non-equilibrium rate processes. V. The relaxation of moments derived from a master equation.
- Weiss, Guido. 2588: (with Weiss, M.) On the Picard property of lacunary power series.
- Weiss, Lionel. 3159: On sequential tests which minimize the maximum expected sample size.
- Weiss, M. 2588: (with Weiss, Guido) On the Picard property of lacunary power series.
- Weitzner, Harold. 4747: Green's function for the linearized Vlasov equation.
- Welch, L. R. 3661: (with Gordon, Basil and Mills, W. H.) Some new difference sets.
- Welford, B. P. 866: Note on a method for calculating corrected sums of squares and products.
- Wellnitz, Karl. 3618: ★Kombinatorik. 5596: ★Klassische Wahrscheinlichkeitstheorie.
- Wells, James. 2900: A note on the primes in a Banach algebra of measures.
- Wendel, J. G. 4284: Brief proof of a theorem of Baxter. 4377: A problem in geometric probability.
- Wendroff, Burton. 5748: The structure of certain finite difference schemes.
- Wentzel, G. 3445: Thermodynamically equivalent Hamiltonian for some many-body problems.
- Wergeland, Harald. 6712: Zu einer Aufgabe von Ernst Jacobsthal.
- Werle, J. 7359: Relativistic partial wave expansions for multi-particle processes.
- Werner, John. 629: Banach algebras and analytic functions. 1770: (with Browder, Andrew) Some algebras of functions on an arc.
- Werner, Helmut. 1993: Tschebyscheff-Approximation im Bereich der rationalen Funktionen bei Vorliegen einer guten Ausgangsnäherung. 2783: Die konstruktive Ermittlung der Tschebyscheff-Approximationen im Bereich der rationalen Funktionen. 5727: Anwendungen und Fehlerabschätzungen für das alternierende Verfahren von H. A. Schwarz.
- Werner, Peter. 5276: Randwertprobleme der mathematischen Akustik. 5834: Beugungsprobleme der mathematischen Akustik.
- Wesolowski, Zbigniew. 7229: Stability in some cases of tension in the light of the theory of finite strain.
- Wess, J. 7335: The conformal invariance in quantum field theory. 2196: (with Scarf, F. L.) A consistent operator solution for the Thirring model.
- Wessel, Walter. 1110: Zur theorie des Elektrone. VI. Vierergeschwindigkeit und Selbstbeschleunigung.
- West, Del Lon. 3151: (with Folks, John Leroy) Note on the missing plot procedure in a randomized block design.
- Westlake, W. J. 3177: A numerical analysis problem in constrained quadratic regression analysis.
- de Wetering, R. L. Van = Van de Wetering, R. L.
- Whalen, Robert J. 3337: Viscous and inviscid nonequilibrium gas flows.
- Wheeler, John Archibald. 7405: Problems on the frontiers between general relativity and differential geometry. 2292: (with Fuller, Robert W.) Causality and multiply connected space-time.
- Wheeler, P. C. 3547: (with Clark, R. N.) A self-adjusting control system with large initial error.
- Wheeler, R. G. 4764: (with Dimmock, J. O.) Symmetry properties of wave functions in magnetic crystals.
- Wheeler, Roger F. 7: Complete propositional connectives. 3586: An asymptotic formula for the number of complete propositional connectives.
- White, D. J. 5987: Dynamic programming, Markov chains, and the method of successive approximations.
- White, G. K. 3650: Iterations of generalized Euler functions.
- Whitehead, George W. 5583: Note on cross-sections in Stiefel manifolds.
- Whiteley, J. N. 554: Two theorems on convolutions.
- Whitin, T. M. 4809: (with Hadley, G.) A model for procurement, allocation, and redistribution for low demand items. 7440: (with Hadley, G.) A family of dynamic inventory models.
- Whitney, E. L. 4938: Sums of reciprocal powers of terms in arithmetic sequences.
- Whyburn, G. T. 1857: A measure distortion mapping. 6935: Monotonicity of limit mappings.
- Wicks, M. J. 179: Commutators in free products.
- Widder, D. V. 1030: Positive solutions of the heat equation. 6699: The inversion of a convolution transform whose kernel is a Laguerre polynomial.
- Widom, Harold. 2825: Extreme eigenvalues of N -dimensional convolution operators.
- Wiegandt, Richard. 3739: Bemerkung zu einer Arbeit von Herrn Steinfeld. 6218: Über die Struktursätze der Halbringe.
- Wiegmann, N. A. 128: The *-transpose of a matrix.
- Wiegold, James. 2488: Embedding group amalgams in wreath products. 3763: (with Neumann, B. H.) On certain embeddability criteria for group amalgams.
- Wielandt, Helmut. 5044: Ein Beweis für die Existenz der Sylowgruppen. 5045: (with Huppert, B.) Arithmetical and normal structure of finite groups. 6191: (with Tausky, O.) Linear relations between higher additive commutators. 6192: (with Tausky, O.) On the role of the determinant in semigroups of matrices.
- Wightman, A. S. 3376: On the localizability of quantum mechanical systems. 3927: Analytic functions of several complex variables. 1339: Quantum field theory and analytic functions of several complex variables.

- Wigner, Eugene P. 4188: On weakly positive matrices.
- van Wijngaarden, A. 5774: L'influence de ALGOL 60 sur l'analyse numérique.
- Wijman, R. A. 5668: (with Burkholder, D. L.) Optimum properties and admissibility of sequential tests.
- Wilansky, Albert. 1646: (with Berg, I. D.) Periodic, almost-periodic, and semiperiodic sequences.
- Wilcox, Calvin H. 2738: Initial-boundary value problems for linear hyperbolic partial differential equations of the second order.
- Wilde, Douglass J. 4819: Differential calculus in nonlinear programming.
- Wilde, Marc De. See De Wilde, Marc.
- Wilde, Paula Marie. 4945: A new condition for a modular lattice.
- Wilde, Piotr. 5507: Finite displacements in thin plates due to steady-state temperature fields.
- Wildhaber, Ernest. 5484: Surface curvature, a tool for engineers.
- Wilf, Herbert S. 2583: Some applications of the inequality of arithmetic and geometric means to polynomial equations. 2611: Whittaker's constant for lacunary entire functions.
- Wilk, M. B. 1954: (with Pinkham, R. S.) Tail areas of the t -distribution from a Mills'-ratio-like expansion. 1956: (with Gnanadesikan, R. and Freeny, Anne E.) Estimation of error variance from smallest ordered contrasts.
- Wilker, Peter. 2912: Algebraische Lösung des Helmholtzschen Raumproblems für reelle Vektorräume. 6181: Charakteristisches Polynom, Determinante und Spur als Abbildungsfunktionen.
- Wilkins, J. Ernest, Jr. 1168: Diffusion approximation to the transport equation.
- Wilkinson, J. H. 4473: Note on the quadratic convergence of the cyclic Jacobi process. 5715: Handbook Series Linear Algebra. Householder's method for symmetric matrices. 5716: Handbook Series Linear Algebra. Calculation of the eigenvalues of a symmetric tridiagonal matrix by the method of bisection. 5717: Handbook Series Linear Algebra. Calculation of the eigenvectors of a symmetric tridiagonal matrix by inverse iteration.
- Wilks, Samuel S. 1949: ★Mathematical statistics.
- Wille, R. J. 6296: Topological groups with prescribed automorphism groups.
- Willett, Joseph E. 4754: Quasi-one-fluid theory of wave propagation in a fully ionized plasma.
- Williams, J. S. 1969: A confidence interval for variance components.
- Williams, R. F. 4352: A useful functor and three famous examples in topology. 251: (with Bredon, G. E. and Raymond, Frank) p -adic groups of transformations.
- Williams, W. E. 5797: Note on a problem in elastodynamics. 6710: A class of integral equations.
- Williams, W. H. 3142: The variance of an estimator with post-stratified weighting. 4437: On two methods of unbiased estimation with auxiliary variates.
- Willis, Charles R. 5911: Approach to equilibrium of quantum mechanical Gibbsian ensembles.
- Willoughby, R. A. 5237: An analysis of the bistability of the parametron.
- Willson, A. J. 5861: The propagation of magneto-thermo-elastic plane waves.
- Wilson, Jack C. 625: (with Rinehart, R. F.) The relation between continuity and differentiability of functions on algebras.
- Wilson, Kenneth G. 2170: Proof of a conjecture by Dyson.
- Wilson, Walter L., Jr. 1991: d -minimal surfaces spanning polygons in E_n by solving a linear system.
- Wimp, Jet. 6452: Polynomial expansions of Bessel functions and some associated functions.
- Windeknecht, T. G. 7467: Optimal stabilization of rigid body attitude.
- Wineman, A. S. 5810: (with Pipkin, A. C.) Material symmetry restrictions on non-polynomial constitutive equations.
- Wing, G. M. 2123: Mathematical aspects of the problem of acoustic waves in a plane stratified medium. 5839: Transport theory, invariant imbedding, and two-point boundary value problems. 1169: (with Bellman, Richard and Kalaba, Robert) Dissipation functions and invariant imbedding. I. 1170: (with Bellman, Richard and Kalaba, Robert) Invariant imbedding and neutron transport theory. V. Diffusion as a limiting case.
- Winger, R. M. 4213: ★An introduction to projective geometry.
- Winkler, Wolfgang. 3121: Stetigkeitseigenschaften der Trajektorien zufälliger Felder.
- Winograd, S. 3542: Coding for logical operations.
- Wirsing, Eduard. 79: Approximation mit algebraischen Zahlen beschränkten Grades.
- Wiser, H. C. 6938: Decomposition and homogeneity of continua on a 2-manifold.
- Witten, Louis. 1175: (Editor) ★Gravitation: An introduction to current research. 1184: A geometric theory of the electromagnetic and gravitational fields. 3493: (with Fulton, T. and Rohrlich, F.) Physical consequences of a co-ordinate transformation to a uniformly accelerating frame. 3494: (with Fulton, T. and Rohrlich, F.) Conformal invariance in physics.
- Włodarczyk, Edward. 7231: (with Kaliski, Sylvester) Reflection of a spherical unloading wave from a rigid wall and a free surface in a body with rigid unloading characteristic.
- Wojciechowicz, J. 4499: On the reduction of the equation $g(v) = F(u, w)$ to Cauchy canonical form. 5761: On the anamorphosis factor which reduces the equation $F(x, y, z, w) = 0$ to canonical forms of an equation of fourth nomographic rank in four variables. 5762: On the anamorphosis factor which reduces the equation $F(x, y, z, w) = 0$ to Cauchy canonical form in four variables.
- Wolf, Frank L. 831: ★Elements of probability and statistics.
- Wolf, Joseph A. 1834: On the lattice space forms. 2344: The affine group of a Lie group. 5522: Locally symmetric homogeneous spaces. 5523: Discrete groups, symmetric spaces, and global holonomy. 5524: Space forms of Grassmann manifolds.
- Wolfe, Philip. 3528: Recent developments in nonlinear programming. 4818: Some simplex-like nonlinear programming procedures. 2329: (with Dantzig, G. B.) Linear programming in a Markov chain.
- von Wolff, M. R. 2400: A star domain with densest admissible point set not a lattice.
- Wolff, P. A. 1150: Pair correlation in a plasma.
- Wolfowitz, J. 1227: ★Coding theorems of information theory.
- Wolfson, Kenneth G. 157: Isomorphisms of the endomorphism rings of torsion-free modules.
- Wolska-Bochenek, J. 967: Propriétés des intégrales d'une équation de l'hydrodynamique d'un fluide visqueux. 968: Résolution d'un problème aux limites dans la théorie du mouvement non stationnaire d'un fluide visqueux.
- Wonenburger, Maria J. 3789: The automorphisms of the group of rotations and its projective group corresponding to quadratic forms of any index. 4947: Matrix \mathfrak{N} -rings. 6276: The automorphisms of the group of similitudes and some related groups. 6277: The automorphisms of $PO_8^+(Q)$ and $PS_4^+(Q)$. 6278: The automorphisms of $PS_4^+(Q)$. 6987: (with Halperin, Israel) On the additivity of lattice completeness.
- Wong, W. J. 5041: A characterization of the alternating group of degree 8. 5049: A characterization of finite projective groups.
- Wong, Yung-Chew. 2968: Isoclinic n -planes in Euclidean $2n$ -space, Clifford parallels in elliptic $(2n-1)$ -space, and the Hurwitz matrix equations.
- Woodall, Rosalie C. 848: (with Kurkjian, Badrig M.) Exact operating characteristic for truncated sequential life tests in the exponential case.
- Woolf, W. B. 3909: The boundary behavior of meromorphic functions. 6992: (with Nijenhuis, Albert) Some integration problems in almost-complex and complex manifolds.
- Woschni, E.-G. 2834: Über Schwierigkeiten bei der Operatorenrechnung einschließlich der Heavisideschen Form und ihre Beseitigung.
- Wouk, Arthur. 4821: Recursive methods, dynamic programming, and invariant imbedding.
- Wraith, G. C. 7345: The connection between r -structure and T -structure.
- Wright, E. M. 2004: Solution of the equation $(z+b)e^{z+a} = \pm(z-b)$.
- Wright, F. B. 1360: (with Hofmann, K. H.) Pointwise periodic groups.
- von Wright, G. H. 4881: On the logic of negation. 4882: The heterological paradox.
- Wright, Jesse B. 4902: (with Burks, Arthur W.) Sequence generators, graphs, and formal languages.

- Wu, Alfred Chi-Tai. 3409: On the analytic properties of the 4-point function in perturbation theory.
- Wu, Fang. 1941: On the queueing process $G/M/n$.
- Wu, T. Yao-Tsu. 957: A wake model for free-streamline flow theory. I. Fully and partially developed wake flows and cavity flows past an oblique flat plate. 5928: (with Rosenberg, R. L.) Kinetic equation describing irreversible processes in ionized gases. Addenda and corrections.
- Wu, Tai Te. 4529: (with Budiansky, Bernard) Transfer of load to a sheet from a rivet-attached stiffener.
- Wu, Tai Tsun. 4635: Input admittance of infinitely long dipole antennas driven from coaxial lines. 7306: Theory of the thin circular loop antenna. 7381: Dimers on rectangular lattices.
- Wu, Wen-tsun. 5586: On the imbedding of orientable manifolds in a euclidean space. 6991: Notes on complex manifolds and algebraic varieties. I. Plücker's formula. 2381: (with Jiang, Jia-he) Essential equilibrium points of n -person non-cooperative games.
- Wunderlich, M. 6115: Certain properties of pyramidal and figurate numbers.
- Wunderlich, W. 690: Über ein abwickelbares Möbiusband. 6848: Axiale Ebenenverwandtschaften.
- Wuytack, F. 2456: ★Matrices with elements in a skew field.
- Wuytack, P. 1707: On the uniform convergence of integrals of the form $\int_0^{+\infty} e^{-\lambda(t)} F(t) dt$ ($\lambda(t)$ complex). 2828: On the analyticity of the function represented by an integral of the form $\int_0^{+\infty} e^{-\lambda(t)} F(t) dt$ ($\lambda(t)$ complex).
- Wyler, Oswald. 6096: Ein Isomorphiesatz.
- Wyman, Max. 3945: The asymptotic behaviour of the Hermite polynomials.
- Wynn, P. 1675: Una nota su un analogo infinitesimale del q-d algoritmo. 2766: Continued fractions whose coefficients obey a non-commutative law of multiplication. 3176: Acceleration techniques for iterated vector and matrix problems. 4081: A note on a method of Bradshaw for transforming slowly convergent series and continued fractions. 6639: On repeated application of the ε -algorithm. 6640: The numerical transformation of slowly convergent series by methods of comparison. II. 6641: On a connection between the first and second confluent forms of the ε -algorithm.
- Xa, Dao-xeng = Hsia, Tao-hsing.
- Yadae, G. M. 6455: Generating functions for associated Legendre polynomials.
- Yaglom, A. M. = Jaglom, A. M.
- Yakabe, Iwao. 115: On semi-valuations. I.
- Yakimenko, V. L. = Jakimenko, V. L.
- Yamada, Kazuo. 2266: General expressions of absorption coefficient and radiation intensity in plasma and Kirchhoff's law.
- Yamagata, Hideo. 494: Approximation of solutions of homogeneous differential equation. I. 6761: On a Fourier invariant distribution space. 1058: (with Ishihara, Tadashige) On distributions and spaces of sequences. I. 1059: (with Ishihara, Tadashige) On distributions and spaces of sequences. II. On the multiplications of improper functions in quantum field theory. 1060: (with Ishihara, Tadashige) On unified representation of state vector in quantum field theory.
- Yamaguchi, Kunio. 3894: On a property of schlicht polynomials.
- Yamaguchi, Mikiko. 3703: On the endomorphism rings of elliptic curves.
- Yamaguti, Masaya. 6576: On the apriori estimate for the solution of some semi-linear wave equation for higher space dimension. 395: (with Hayashi, Kyuzo) Une étude sur les travaux de Bogoliubov et Mitropolsky à propos du fondement de la méthode de l'équation, à caractère de moyenneté. 469: (with Mizohata, Sigeru) Mixed problem for some semi-linear wave equation.
- Yamamoto, Koichi. 4933: Generation principles of Latin squares.
- Yamamoto, Noboru. 770: On the exact sequence for a special cofibre space and its dual.
- Yamamuro, Sadayuki. 5427: On the spectra of some non-linear operators. 5428: On the spectra of some non-linear operators. II.
- Yamamura, Yoshikatsu. 6401: On a boundary theorem on open Riemann surfaces.
- Yamanoshita, Tsuneyo. 5569: (with Shimada, Nobuo) On triviality of the mod p Hopf invariant.
- Yamasaki, Shuichiro. 2249: On the singularity of t -matrix of interacting Fermion systems.
- Yanase, Hiroshi. 1894: On Poincaré conjecture for M^6 .
- Yanagiwara, Hiroki. 5223: Maximum of the amplitude of the periodic solution of van der Pol's equation. 5729: A new method of numerical integration of Gaussian type.
- Yang, C. N. 1104: Mathematical deductions from some rules concerning high-energy total cross sections. 4727: Concept of off-diagonal long-range order and the quantum phases of liquid He and of superconductors. 7368: Some properties of the reduced density matrix. 3413: (with Lee, T. D.) Theory of charged vector mesons interacting with the electromagnetic field.
- Yang, Chung-Tao. 3022: On maps from spheres to euclidean spaces. 3813: The triangulability of the orbit space of a differentiable transformation group. 6299: (with Montgomery, D.) A theorem on the action of $SO(3)$.
- Yano, Kenji. 1685: Convexity theorems for Fourier series. 1686: A remark on convexity theorems for Fourier series. 5342: Convexity theorems for allied Fourier series.
- Yano, Kentaro. 1837: Eckmann-Frölicher connexions on almost analytic submanifolds.
- Yao, J. C. 2074: Large-deflection analysis of buckling of a cylinder under bending.
- Yaqub, Adil. 3730: A generalization of certain rings of A. L. Foster. 5023: On certain finite rings and ring-logics.
- Yaqub, F. M. 6094: (with Dwinger, Ph.) Generalized free products of Boolean algebras with an amalgamated subalgebra.
- Yates, C. E. M. 3598: Recursively enumerable sets and retracing functions.
- Yates, F. 879: Marginal percentages in multiway tables of quantal data with disproporionate frequencies. 7177: Computers in research—promise and performance.
- Yau, S. S. 6015: (with Fu, Y.) A note on the reliability of communication networks.
- Yeh, C. 1023: The diffraction of waves by a penetrable ribbon. 3355: On the dielectric coated prolate spheroidal antenna.
- Yen, Ti. 6216: Isomorphisms of simple rings.
- Ye, Ging-Tzung. 5571: Imbedding classes and cohomology operations.
- Yoeli, Michael. 44: Binary ring sequences.
- Yoneda, Keizo. 4445: Some estimations of the parameters of multinormal populations from linearly truncated samples. I.
- Yoneda, Nobuo. 3635: On universality. I. 3636: On universality. II.
- Yoneyama, Mariko. 4515: (with Huzino, Seiiti) On a proof of Schepherdson's theorem.
- Yood, Bertram. 5435: Inner automorphisms of groups in topological algebras. 622: (with Civin, Paul) The second conjugate space of a Banach algebra as an algebra.
- Yoshida, Reikichi. 3868: On some semi-groups.
- Yoshii, Tensho. 162: On algebras of 2-cyclic representation type.
- Yoshimori, A. 1141: (with Korringa, J.) A Fokker-Planck equation for spin relaxation. 1142: (with Korringa, J.) Theory of relaxation of a two-spin system.
- Yoshimura, Isao. 4451: On a method of the analysis of ranking data.
- Yoshimura, T. 4670: On the singularity at vanishing coupling constant.
- Yoshizawa, Hisaaki. 3817: Group representations and spherical functions.
- Yoshizawa, Taro. 1577: Asymptotic behavior of solutions of non-autonomous system near sets. 6487: Asymptotic behavior of solutions of a system of differential equations.
- Young, D. H. 856: Two alternatives to the standard χ^2 -test of the hypothesis of equal cell frequencies. 870: Quota fulfilment using unrestricted random sampling.
- Young, D. M. 7160: (with Fyfe, I. M. and Eng, R. C.) On the numerical solution of the hydrodynamic equations.
- Young, G. S. 574: Representations of Banach spaces.
- Youngs, J. W. T. 2043: Minimal imbeddings and the genus of a graph. 6182: (with Parter, Seymour V.) The symmetrization of matrices by diagonal matrices.

- Yu, Kwang. 7323: (with Lomont, J. S. and Moses, H. E.) Equivalence and antiequivalence of irreducible sets of operators. I. Finite dimensional spaces.
- Yusuf, S. M. 2522: A note on characteristic automorphisms of a group. 5085: Inner transformations of an inverse semigroup.
- Zaanen, A. C. 3862: The Radon-Nikodym theorem. I, II. 6797: A note on perturbation theory. 2905: (with Luxemburg, W. A. J.) Compactness of integral operators in Banach function spaces. 6723a: (with Luxemburg, W. A. J.) Notes on Banach function spaces. I. 6723b: (with Luxemburg, W. A. J.) Notes on Banach function spaces. II.
- Zabreiko, P. P. 1545: On calculating the Poincaré index.
- Zabusky, Norman J. 4067: Exact solution for the vibrations of a non-linear continuous model string.
- Zacher, Giovanni. 1361: Sui gruppi risolubili finiti col reticolo dei sottogruppi di composizione dotato di duale.
- Zadeh, L. A. 6011: Remark on the paper by Bellman and Kalaba.
- Zadiraka, K. V. 3978: The behavior of singularly perturbed, autonomous, non-linear differential systems in the vicinity of a family of cylinders.
- Zăgănescu, M. 3555: Opérateurs associés aux éléments multipositionnels. 996: (with Sălceanu, C.) L'influence de l'épaisseur des parois d'un tube de résonance servant à la mesure de la vitesse du son dans les liquides.
- Zaharia, Nicolae O. 4320: Courbes itérées.
- Zaharjan, V. S. 2623: Uniqueness conditions for a certain class of functions.
- Zaharjuta, V. P. 6429: Bases in the space of functions analytic in the closed circle $|z| \leq R$.
- Zaharov, V. E. 5934: (with Karpman, V. I.) On the nonlinear theory of the damping of plasma waves.
- Zahn, Horst. 3951: (with Maier, Wilhelm) Über die Funktionalgleichung 2. Stufe des Trilogarithmus.
- Zahorski, Stefan. 7208: Equations of the theory of large elastic deformations in terms of the geometry of the undeformed body.
- Zahorski, Zygmunt. 5346: Une série de Fourier permutee d'une fonction de classe L^2 divergente presque partout.
- Zaidman, S. 6609a: Soluzioni limitate e quasi-periodiche dell'equazione del calore non-omogenea. I. 6609b: Soluzioni limitate e quasi-periodiche dell'equazione del calore non-omogenea. II.
- Zajta, Aurél. 845: On the Lehmann test.
- Zak, J. 4719: Selection rules for integrals of Bloch functions.
- Zakharov, V. E. = Zaharov, V. E.
- Zaleski, A. E. 6254: Solvable subgroups of the multiplicative group of a simple algebra. 6255: Solvable subgroups of the multiplicative group of a locally finite algebra.
- Zalgaller, S. I. 541: The summation of Fourier series by a method of Bernstein and Rogosinski.
- Zalgaller, V. A. 5474: Regular polyhedra. 6325: On the representation of a function of two variables as the difference of convex functions. 4: (with Efimov, N. V. and Pogorelov, A. V.) Aleksandr Danilovič Aleksandrov (on his fiftieth birthday).
- Zame, Alan. 6067: A combinatorial word problem.
- Zames, George. 1221: (with Brick, Donald B.) Bayes' optimum filters derived using Wiener canonical forms.
- Zamorski, J. 1446: On Bazilevič schlicht functions. 3906: On typically real meromorphic functions. 5152: (with Szczepanikiewicz, E.) Close-to-convex and almost starlike functions.
- Zaporozec, G. I. 1528: Approximate integration of second-order ordinary differential equations with variable coefficients.
- Zareckii, K. A. 55: The representations of lattices by sets.
- Zarelius, A. V. 4317: On a theorem of Hurewicz. 5541: Equality of dimension and bicomplex extensions.
- Zaremba, D. 1860: Sur l'enfilage et la fixation des ensembles compacts. 1861: (with Lelek, A.) Dimensions of irreducible continua and fixations of components in compact spaces.
- Zaremba, S. K. 1971: A generalization of Wilcoxon's test.
- Zariski, Oscar. 2440: On the superabundance of the complete linear systems $[nD]$ (n -large) for an arbitrary divisor D on an algebraic surface. 4997: La risoluzione delle singolarità delle superficie algebriche immerse. 1316: (with Falb, Peter) On differentials in function fields.
- Zarovnyi, V. P. 2332: Semigroups with condensers.
- Zaslavskii, G. M. 2143: (with Moiseev, S. S.) Some peculiarities in the behavior of a relativistic plasma with an anisotropic distribution of electron velocities.
- Zassenhaus, Hans. 6266: On the spinor norm.
- Zastavenske, L. G. 4125: A generalization of the Laplace transform.
- Zautukov, O. A. 1639: Construction of the solution of the Cauchy problem for infinite systems of linear partial differential equations. 1640: The Cauchy problem for a system of a finite number of linear partial differential equations of first order with a countable set of arguments. 2073: Application of a method of functional analysis to the solution of a problem of dynamic stability of elastic systems.
- Zdanov, G. A. 1536: On the equivalence of boundary-value problems for ordinary differential equations.
- Zdanov, G. S. 3482: (with Ljubimov, V. N. and Venevcev, Ju. N.) Calculation of electric fields in complex dipole structures.
- Zeckendorf, E. 4955: Les nombres triangulaires carrés.
- Zeeman, E. C. 760: Unknotting 3-spheres in six dimensions. 5552: Non-triangulable polyhedral manifolds.
- Zeguda, S. A. 3246: Oscillations of an asymmetric body about elastic stretchings.
- Zeitler, H. 5463: Hyperbolische Trigonometrie im Poincaré'schen Kreismodell.
- Zeitlin, David. 1328: On several applications of the first derivative of a determinant. 4928: Remarks on a formula for preferential arrangements. 6453: The n -th derivative of a class of functions.
- Želazko, W. 3812: Some remarks on topological algebras. 6809: On decomposition of a commutative p -normed algebra into a direct sum of ideals. 1769: (with Mitiagin, B. and Rolewicz, S.) Entire functions in B_θ -algebras.
- Želazny, Roman S. 3479: The initial value problem for longitudinal and transversal plasma oscillations.
- Žel'dovit, Ja. B. 3490: Static solutions with energy excess in the general theory of relativity.
- Zelenjak, T. I. 4046: On a problem of S. L. Sobolev.
- Zelinsky, Daniel. 173: (with Rosenberg, Alex) Amitsur's complex or inseparable algebras. 6215: (with Rosenberg, Alex) Automorphisms of separable algebras.
- Zeller, K. 2769: Lineare Räume und Limitierung. 3710: Abschnittsabschätzungen bei Matrixtransformationen. 332: (with Brown, Leon and Shields, Allen) On absolutely convergent exponential sums.
- Zemanian, A. H. 553: Transformations of positive-real functions and matrices arising from complex convolution.
- Zemlin, R. A. 7448: (with Miller, C. E. and Tucker, A. W.) Integer programming formulation of traveling salesman problems.
- Zerajica, D. P. 1762: On a variational theory of non-linear equations.
- Zerna, W. 7221: Mathematisch strenge Theorie elastischer Schalen.
- Zerner, Martin. 1754: Théorie de Hartogs et singularités des distributions.
- Zervos, S. P. 1312: Une propriété des corps commutatifs de caractéristique zéro.
- Zetterberg, Lars-Henning. 1222: Signal detection under noise interference in a game situation.
- Zeuli, Tino. 7287: Su un notevole moto vorticoso di un fluido incomprimibile elettricamente conduttore in un recipiente ellissoidale mobile con pareti perfettamente conduttrici.
- Ziatdinov, F. Z. 1772: Linear differential operators of second order in a Hilbert space of vector functions with values in an abstract separable Hilbert space.
- Ziaud-Din, M. 5663: (with Ahmad, Munir) On expression of the k -statistics k_{12} in terms of power sums and sample moments.
- Zięba, A. 1212: An example in pursuit theory.
- Zielezny, Z. 6766: Über die Mengen der regulären und singulären Punkte einer Distribution.
- Ziemba, Zdzisław. 4878: The postulate of the truth of a premise and the postulate of its justification.
- Ziemer, William P. 5115: (with Troyer, Robert J.) Topologies generated by outer measures.
- Zierler, Neal. 3391: Order properties of bounded observables.

- Ziermann, Margit. 1209: (with Rényi, Alfréd) On some inventory problems of shops.
- Zieschang, Heiner. 6957: Über einfache Kurven auf Vollbrezeln.
- Zijlstra, H. 5896: (with Compaan, K.) Effective-field approach to the problem of interacting polarized particles.
- Zil'berberg, A. A. 5475: On the existence of finite convex polyhedra with given boundary and prescribed vertex curvatures. 5476: On the existence of closed convex polyhedra with prescribed vertex curvatures in n -dimensional Euclidean and Lobatchevsky spaces.
- Zimmerman, A. H. 1165: (with Itô, D. and Ragusa, S.) On the universality of weak interactions.
- Zimmermann, W. 4699: Two-particle structure of the Mandelstam representation.
- Zinger, A. A. 4459: Distributions of polynomial statistics in samples from a normal population.
- Zinger, Ivan = Singer, I.
- Zirakzadeh, A. 6836: A mapping of the projective n -space on the projective plane.
- Zirnov, N. I. 3443: Quasiclassical solutions of the radial Dirac equations.
- Zitomirskii, Ja. I. 4060: Cauchy's problem for parabolic systems of linear partial differential equations with increasing coefficients. 6552: Questions of the correct solvability of the Cauchy problem for linear systems of partial differential equations with variable coefficients.
- Ziliavili, L. V. 4121: Conjugate functions of two variables and double Fourier series. 5355: Convergence and summability of Fourier series.
- Zlámal, Miloslav. 5293: The mixed problem for hyperbolic equations with a small parameter.
- Zlatev, I. S. 2222: (with Isaev, P. S.) Application of dispersion relations for testing quantum electrodynamics at small distances.
- Zienkiewicz, Stanisław. 5723: On the application of the eracovian root to the orthogonalization and normalization of sequences of functions. 7190: A Cracovian method for solving the equations of motion of dynamic systems.
- Zelotarev, Ju. G. 3974: (with Harasahal, V. H.) On the structure of the solutions and the regular character of a system of linear differential equations.
- Zolotareva, E. V. 2721: A necessary and sufficient condition that the Dirichlet problem for a class of elliptic systems be of Fredholm character.
- Zonenaivili, I. A. 3261: Solution of the fundamental boundary-value problems in elasticity theory.
- Zorič, V. A. 3900: On boundary correspondence for Q -quasiconformal mappings of a sphere. 5159: Boundary correspondence under Q -quasiconformal mappings of a sphere.
- Zornikaja, L. V. 280: The derivatives of some singular integrals.
- Zoroa, P. = Zoroa Terol, Procopio.
- Zoroa Terol, Procopio. 4378: The product probability theorem.
- Zubov, V. I. 1573: On the behavior of integral curves in the neighborhood of a periodic motion.
- Zuckerman, Herbert S. 6656: (with Hewitt, Edwin) Approximation by polynomials with integral coefficients, a reformulation of the Stone-Weierstrass theorem.
- Zuev, I. I. 3726: Lie ideals of associative rings.
- Zuev, I. V. 2935: Straight lines on an algebraic surface with a double Königs net. 2936: The singular points of algebraic surfaces containing an imaginary double Königs net.
- Zuhovickii, S. I. 4100: On best approximation of functions in normed linear spaces and in normed rings.
- Zumino, Bruno. 3713: Normal forms of complex matrices.
- Zurina, M. I. 3934: (with Karmazina, L. N.) ★Tables of the Legendre functions $P_{-1/2+n}(x)$. Vol. II. 3935: (with Karmazina, L. N.) ★Tables and formulae for the spherical functions $P_{-1/2+n}(z)$.
- Zuser, Karl. 3898: Die Riemannsche Fläche des Zweikörperproblems.
- Zvengrowski, P. 4923: Perfect transfinite numbers.
- Zwanzig, Robert. 3484: Method for finding the density expansion of transport coefficients of gases.
- Zweifel, P. F. 2269: (with Aamodt, R.; Case, K. M. and Rosenbaum, M.) Quasi-classical treatment of neutron scattering.
- Zyckowski, M. 4502: Tables of coefficients for raising power series to any power.
- Zygmund, A. 2794: On one-sided localization of trigonometric series.
- Zykov, A. A. 1428: On the definition of arc length.
- Zylbertrest, S. 2918: A generalisation of Simson's theorem.
- Zyakind, George. 1973: On structure, relation, Σ , and expectation of mean squares.

KEY INDEX

- Advances in Applied Mechanics.** 7204: ★Advances in Applied Mechanics. Vol. 7.
- AGARD aeronautical multilingual dictionary.** 6025: ★AGARD aeronautical multilingual dictionary.
- American Mathematical Society, Symposia in Applied Mathematics.** 7246: ★Proceedings of Symposia in Applied Mathematics. Vol. XIII: Hydrodynamic instability.
- Annual Review of Nuclear Science.** 4772: ★Annual Review of Nuclear Science, Vol. 12.
- Application of logic to science and technology.** 6056: ★The application of logic to science and technology.
- Atti del Simposio sulla Magnetofluidodinamica.** 7290: ★Atti del Simposio sulla Magnetofluidodinamica.
- Bergen International School of Physics, Second, 1962.** 3374: ★Weak interactions and topics in dispersion physics.
- Bibliography.** 3558: ★A guide to the scientific and technical literature of Eastern Europe.
- Bibliography of Chinese mathematics.** 3559: ★Bibliography of Chinese mathematics 1918-1960.
- Bibliography of statistical literature.** 3134: ★Bibliography of statistical literature 1950-1958.
- Brandeis Summer Institute, 1961.** 2232: ★Lectures in theoretical physics. Vol. 2.
- Brandeis University 1959 Summer Institute in Theoretical Physics.** 7183: ★Brandeis University 1959 Summer Institute in Theoretical Physics. Lecture Notes.
- Brandeis University 1960 Summer Institute in Theoretical Physics.** 7184: ★Brandeis University 1960 Summer Institute in Theoretical Physics. Lecture Notes.
- Der Briefwechsel von Gottfried Wilhelm Leibniz mit Mathematikern.** 6030: ★Der Briefwechsel von Gottfried Wilhelm Leibniz mit Mathematikern.
- Centre Belge de Recherches Mathématiques.** 6720: ★Colloque sur l'Analyse Fonctionnelle. 7124: ★Colloque sur l'Analyse Numérique. 6867: ★Deuxième Colloque de Géométrie Différentielle. Tenu à Liège les 19, 20 et 21 décembre 1961.
- Collection of problems in mathematics.** 1237: ★Collection of problems in mathematics.
- Colloq. Algebraic Topology.** 3565: ★Colloquium on Algebraic Topology, August 1-10, 1962. Lectures.
- Colloq. Combinatorial Methods in Probability Theory.** 3564: ★Colloquium on Combinatorial Methods in Probability Theory, August 1-10, 1962. Lectures.
- Colloque sur l'Analyse Numérique.** 7124: ★Colloque sur l'Analyse Numérique.
- Colloques Internationaux du Centre National de la Recherche Scientifique.** 3251: ★Phénomènes de relaxation et de fluage en rhéologie non-linéaire (Paris, 27 juin-2 juillet 1960).
- Computer handbook.** 5765: ★Computer handbook.
- Computer programming and formal systems.** 3225: ★Computer programming and formal systems.
- Computing and Data Processing Society of Canada.** 4563: ★The Computing and Data Processing Society of Canada. 3rd Conference: June 11, 12, 1962. Proceedings.
- Conference on Developments in Wave Propagation.** 4560: Conference on Developments in Wave Propagation.
- Differential geometry.** 6867: ★Deuxième Colloque de Géométrie Différentielle. Tenu à Liège les 19, 20 et 21 décembre 1961.
- Fluid Dynamics and Applied Mathematics, Proc. Sympos., 1961.** 7245: ★Fluid dynamics and applied mathematics.
- The foundations of statistical inference.** 4427: ★The foundations of statistical inference.
- Functional analysis.** 6720: ★Colloque sur l'Analyse Fonctionnelle.
- General topology and its relations to modern analysis and algebra.** 4304: ★General topology and its relations to modern analysis and algebra.
- Gravitation: An introduction to current research.** 1175: ★Gravitation: An introduction to current research.
- A guide to the scientific and technical literature of Eastern Europe.** 3558: ★A guide to the scientific and technical literature of Eastern Europe. Handbuch der Physik. 4755: ★Handbuch der Physik. Bd. X: Struktur der Flüssigkeiten.
- Internat. Sympos. Nonlinear Differential Equations and Nonlinear Mechanics.** 3932: ★International Symposium on Nonlinear Differential Equations and Nonlinear Mechanics.
- International Meeting on Problems of Astrometry and Celestial Mechanics,** Proc. 7422: ★Proceedings of the International Meeting on Problems of Astrometry and Celestial Mechanics.
- Lectures in Applied Mathematics (Proc. Summer Seminar, Boulder, Colo., 1960).** 1774: ★Mathematical problems of relativistic physics.
- Logic and language.** 6041: ★Logic and language: Studies dedicated to Professor Rudolf Carnap.
- National Physical Laboratory Mathematical Tables.** 363: ★Chebyshev series for mathematical functions. 5190: ★Tables for Bessel functions of moderate or large orders.
- Nonlinear problems.** 2662: ★Nonlinear problems.
- Numerical solution of ordinary and partial differential equations.** 4488: ★Numerical solution of ordinary and partial differential equations.
- Phénomènes de relaxation.** 3251: ★Phénomènes de relaxation et de fluage en rhéologie non-linéaire (Paris, 27 juin-2 juillet 1960).
- Proc. 5th Israel Annual Conf. Aviation and Astronautics.** 7278: ★Proceedings of the Fifth Israel Annual Conference on Aviation and Astronautics.
- Proc. Sympos. Time Series Analysis.** 3163: ★Proceedings of the Symposium on Time Series Analysis.
- Proceedings of the First Symposium on Engineering Applications of Random Function Theory and Probability.** 4374: ★Proceedings of the First Symposium on Engineering Applications of Random Function Theory and Probability.
- Selected numerical methods.** 7123: ★Selected numerical methods for linear equations, polynomial equations, partial differential equations, conformal mapping.
- Séminaire Bourbaki.** 3561: ★Séminaire Bourbaki, 14ième année: 1961/62. Fasc. 1, 2 et 3: Textes des Conférences, Exp. 223 à 240.
- Séminaire Choquet.** 3563: ★Séminaire Choquet, 1ère année: 1962. Initiation à l'analyse.
- Séminaire d'analyse dirigé par Pierre Lelong.** 3567: ★Séminaire d'analyse dirigé par Pierre Lelong, 4ième année: 1962.
- Séminaire de théorie du potentiel.** 3560: ★Séminaire de théorie du potentiel, dirigé par M. Brelot, G. Choquet et J. Deny. 6ième année: 1961/62. Fasc. 1 et 2: Exp. 1-13 bis.
- Séminaire de topologie et géométrie différentielle dirigé par Charles Ehresmann.** 4868: ★Séminaire de topologie et géométrie différentielle dirigé par Charles Ehresmann. Vol. II: Recueil d'exposés faits en 1958-1959-1960. 4869: ★Séminaire de topologie et géométrie différentielle dirigé par Charles Ehresmann. Vol. III: Recueil d'exposés faits en 1960-1961-1962.
- Séminaire Delange-Pisot.** 3568: ★Séminaire Delange-Pisot, 1ère année: 1959/60. Théorie des nombres. 3569: ★Séminaire Delange-Pisot, 2ième année: 1960/61. Théorie des nombres.
- Séminaire Henri Cartan.** 3562: ★Séminaire Henri Cartan, 13ième année: 1960/61. Familles d'espaces complexes et fondements de la géométrie analytique. Fasc. 1 et 2: Exp. 1-21.
- Studies in mathematical analysis and related topics.** 1238: ★Studies in mathematical analysis and related topics: Essays in honor of George Pólya.
- Studies in modern algebra.** 3750: ★Studies in modern algebra.
- Tables.** 6444: ★Tables relating to the radial Mathieu functions. Vol. 1: Functions of the first kind.
- Variational methods.** 4577: ★Variational methods in problems on fluid oscillation and bodies with fluid.
- Weak interactions.** 3374: ★Weak interactions and topics in dispersion physics.

SUBJECT CLASSIFICATION

This is a list of headings, with code numbers, under which articles were classified during 1963. The headings in capital letters are essentially identical with those appearing in the 1963 monthly issues.

00. GENERAL 00 General mathematics 02 Other fields 04 Collections of papers 08 General textbooks and handbooks 10 Collections of formulas 20 Bibliographies 30 Dictionaries and other reference works 40 Reports of meetings 45 Mathematics as an occupation 50 Methodology and philosophy of mathematics Philosophy of science, general 60 Relation of mathematics with the humanities 70 Didactics 80 General popularizations 90 Recreational mathematics, miscellaneous	40 Modular lattices, continuous geometries 50 Distributive lattices 60 Boolean algebras and rings 70 Boolean algebras with operators
	08. GENERAL MATHEMATICAL SYSTEMS
	10. THEORY OF NUMBERS 005 Tables 01 Elementary 02 Divisibility and factorization 03 Arithmetical functions 04 General elementary theory of congruences; Diophantine equations of degree 1 05 Power residues and reciprocity laws, primitive roots, indices; general binomial congruences 06 Continued fraction, decimal and other algorithmic expansions 07 Combinatorial problems 08 Special integers (or rationals), special sequences of integers (or rationals) 09 Arithmetic properties of special functions; integer-valued polynomials 10 Diophantine equations 12 Polynomial Diophantine equations of degree 1 14 Fermat conjecture 16 Miscellaneous Diophantine equations (exponential, etc.) 18 Rational points on algebraic varieties 20 Diophantine approximation 25 Continued fractions 26 Distribution of digits (for any type of expansion) 28 Irrationality, transcendence 30 Forms 31 Linear forms 32 Quadratic and hermitian forms 34 Forms of degree 2 40 Geometry of numbers 42 Lattices; convex and other bodies 44 Products of linear forms 50 Exponential and power sums 52 Character sums 53 Lattice points 54 Turán's method 55 Modular and automorphic functions, forms, and groups 60 Multiplicative asymptotic theory 62 Zeta-function and other Dirichlet series 64 Character sums, asymptotic theory 65 Distribution of primes 70 Additive asymptotic theory 72 Sums of squares, Waring's problem 74 Partitions 75 Sequences of integers (additive bases, density theorems, etc.) 80 Probabilistic number theory 82 Distribution mod 1 84 Regular distribution 85 Arithmetic of hypercomplex numbers 90 Algebraic number theory 91 Quadratic fields 92 Cyclotomic fields 95 Class field theory 96 Algebraic function fields 97 p-adic fields 98 Finite fields
01. HISTORY AND BIOGRAPHY 05 Ancient 10 India, Far East, Maya, etc. 15 Medieval and Renaissance 20 17th century 25 18th century 30 19th century 35 20th century 40 Contemporary 50 Biographies, obituaries, personalia 60 Collected or selected works; reprintings or translations of classics 70 Source books	
02. LOGIC AND FOUNDATIONS 15 Formalizing verbal reasoning 20 Syntax, semantics, deducibility 30 Propositional calculus: two-valued 32 Logical calculus: first-order, two-valued (functional calculus) 40 Logistic, axiomatic set theory, paradoxes 50 Many-valued logic, modal logic 60 Recursive function theory, Turing computability 70 Intuitionism 75 Axioms for mathematical systems 80 Metatheorems for mathematical systems 90 Undecidability, unsolvability in mathematical systems	
04. SET THEORY 15 Point sets 20 Relations 30 Transfinite numbers 35 Problem of the continuum 60 Combinatorial (partitions, etc.)	
05. COMBINATORIAL ANALYSIS 10 Partitioning, subsets, etc. 20 Matrices, magic squares, block designs, configurations 30 Factorials, binomial coefficients, polynomials, power series 40 Graphs 50 Enumeration of graphs	
06. ORDER, LATTICES 10 Total order 20 Partial order 30 Lattices	

SUBJECT CLASSIFICATION

12. FIELDS AND POLYNOMIALS

- 20 Finite fields
- 30 Polynomials
- 40 Galois theory
- 50 Algebraic number fields
- 60 Algebraic function fields
- 70 Valuations, topological fields
- 80 Differential and difference algebra

14. ABSTRACT ALGEBRAIC GEOMETRY (for classical algebraic geometry, see 50.00)

- 10 Theories of equivalence
- 15 Transformations and correspondences
- 20 Curves
- 35 Algebraic properties of function fields
- 40 Arithmetical properties of varieties
- 45 Algebraic geometry over special fields or over rings; rationality questions
- 50 Group varieties, abstract analytic groups
- 52 Abstract derivations and differentials
- 55 Sheaf-theoretic and homological methods
- 60 Birational invariants, genera, etc.

15. LINEAR ALGEBRA

- 05 Vector spaces
- 15 Linear inequalities
- 20 Inequalities involving eigenvalues and eigenvectors
- 25 Miscellaneous inequalities involving matrices
- 30 Eigenvalues and eigenvectors
- 33 Canonical forms, reductions
- 36 Linear sets of linear transformations
- 38 Matrix equations and identities
- 39 Invariants
- 40 Multilinear algebra
- 48 Determinants
- 49 Permanents
- 50 Linear equations, matrix inversion

16. ASSOCIATIVE RINGS AND ALGEBRAS

- 10 Ideal theory
- 15 Commutative ideal theory
- 20 General commutative theory
- 24 Polynomials
- 26 Formal power series
- 28 Local rings
- 30 Division rings, simple rings and algebras
- 40 Radical theory
- 45 Rings with chain condition
- 50 Linear representations of rings and algebras (including orders)
- 60 Modules
- 70 Galois theory
- 80 Ordered rings
- 90 Topological rings
- 95 Semi-rings, etc.

17. NON-ASSOCIATIVE RINGS AND ALGEBRAS

18. HOMOLOGICAL ALGEBRA

20. GROUP THEORY AND GENERALIZATIONS

- 10 Free groups, relations
- 14 General products of groups
- 16 Group extensions
- 20 Permutation groups
- 25 Finite groups (including finite abelian)
- 28 Burnside problem, conditions for finiteness
- 30 Abelian groups, general theory
- 40 Nilpotent, solvable, p -groups
- 45 Groups with local properties
- 50 Lattices of subgroups

55 Special subgroups

- 60 Crystallographic and discrete geometric groups
- 65 Modular groups, discrete subgroups of classical groups
- 70 Classical groups
- 75 Linear groups, general
- 80 Representations, characters, group algebras
- 85 Representations of symmetric groups
- 88 Automorphisms and endomorphisms, groups with operators
- 90 Ordered groups, ordered semigroups
- 92 Semigroups
- 94 Groupoids
- 96 Quasigroups
- 98 Loops

22. TOPOLOGICAL GROUPS AND LIE THEORY

- 10 Topological groups
- 12 Haar measures
- 15 Topological algebras
- 40 Transformation groups
- 50 Lie groups
- 55 Classical groups
- 60 Representations and analysis
- 70 Homogeneous spaces (topology, differential geometry)
- 80 Lie algebras
- 90 Abstract Lie theory
- 95 Infinite Lie groups
- 99 Lie theory of differential equations

26. FUNCTIONS OF REAL VARIABLES

- 10 Foundations: limits and generalizations [elementary topology of the line (or plane) if used for real variables]
- 20 Calculus: elementary, advanced, etc.
- 21 Elementary functions
- 30 Continuity and related questions (modulus of continuity [if not used in boundary behaviour of analytic functions], discontinuities, etc.)
- 40 Differentiation: general theory
- 41 Non-differentiability (non-differentiable functions, points of non-differentiability), discontinuous derivatives
- 43 Generalized derivatives, derivatives of fractional order
- 47 Mean-value theorems
- 50 Monotonic functions, general
- 51 Functions of bounded variation; absolute continuity
- 52 Convexity; generalizations
- 53 Generalized monotonic functions
- 55 Several variables, implicit function theorems, Jacobians. Transformations with several variables
- 56 Length, area, volume
- 60 Polynomials
- 70 Inequalities (of a general and miscellaneous character)
- 80 Real-analytic functions
- 81 Quasi-analytic classes of real functions, functions of class C^∞
- 85 Superposition of functions

28. MEASURE AND INTEGRATION

- 10 Measurable sets, general: Borel fields, non-measurable sets
- 12 Analytic and Suslin sets
- 13 Finitely additive set functions, measures; generalizations
- 15 Special and generalized measures, Carathéodory theory of measure
- 17 Transfinite diameter and capacity. Hausdorff measures and capacities
- 20 Measurable and non-measurable functions
- 25 Integration, general
- 26 Riemann integral, Lebesgue integral, Denjoy integral, etc.
- 30 Measure-preserving transformations
- 31 Invariant measures
- 32 Ergodic theorems
- 33 Dynamical systems
- 40 Length, area, volume
- 41 Other geometric measure theory

SUBJECT CLASSIFICATION

30. FUNCTIONS OF A COMPLEX VARIABLE

- 01 General questions, foundations
- 02 Monogenic properties of complex functions (also polygenic and areolar monogenic functions)
- 09 Inequalities in the complex domain
- 10 Polynomials
- 11 Zeros of polynomials
- 20 Power series
- 21 Behavior on the boundary of convergence. Overconvergence
- 24 Dirichlet series
- 25 Continued fractions
- 28 Analytic continuation
- 30 Sequences and series of analytic functions; uniform convergence, normal families, normal functions
- 35 Integration; integral representations; Cauchy integral, Poisson and Poisson-Stieltjes integrals
- 36 Moment problems; interpolation problem
- 40 Conformal mapping, general theory
- 41 Capacity, harmonic measure
- 42 Univalent and p -valent functions
- 43 Coefficient problems
- 45 Riemann surfaces, uniformization
- 46 Algebraic functions, Abelian integrals
- 47 Quasiconformal mapping
- 49 Automorphic functions and modular functions
- 50 Maximum principle. Schwarz's lemma, Phragmén-Lindelöf theorem
- 52 Extremal problems in complex domain
- 55 Entire functions
- 60 Meromorphic functions, general theory
- 61 Distribution of values, Picard-type theorems, Nevanlinna theory, defect (deficiency) theory
- 62 Theory of cluster sets, prime ends, boundary behavior
- 65 Bounded functions, positive real part, Blaschke products
- 66 Bounded mean modulus, bounded characteristic
- 67 H_p , classes and other restrictions
- 70 Approximation by polynomials and rational functions, Faber polynomials
- 75 Boundary-value problems, Dirichlet problem
- 77 Special boundary-value problems; Riemann-Hilbert problem. Inverse boundary problems
- 79 Algebroidal functions
- 80 Topological function theory, functions topologically equivalent to analytic mappings
- 81 Generalized analytic mappings. Pseudo-analytic functions of Bers, Vekua, etc.
- 83 Functions of hypercomplex variables and generalized variables
- 85 Spaces of analytic functions
- 86 Kernel functions and applications
- 87 Algebras of analytic functions

31. POTENTIAL THEORY

- 10 Harmonic functions in the plane
- 11 Harmonic functions, general
- 15 Subharmonic, superharmonic functions
- 20 Boundary-value problems, Dirichlet problem
- 21 Capacity and harmonic measure
- 22 Generalized capacity and potential
- 30 Biharmonic and polyharmonic functions and equations
- 35 Poisson's equation

32. SEVERAL COMPLEX VARIABLES

- 02 Foundations, general questions
- 10 Multiple power series, formal theory
- 15 Analytic and meromorphic curves
- 20 Holomorphic mappings, domains of holomorphy, analytic spaces (see also 57.00)
- 25 Automorphic functions
- 30 Approximation theorems

33. SPECIAL FUNCTIONS

- 04 Number-theoretic functions, special sequences

05 Tables of special functions

- 10 Exponential and trigonometric functions
- 15 Gamma and Beta functions
- 17 Error function, probability integral
- 19 Elliptic functions and integrals
- 20 Hypergeometric functions
- 21 E -functions
- 25 Cylindrical functions; Bessel functions
- 27 Spherical functions; Legendre polynomials and functions, spherical harmonics, ultraspherical polynomials
- 28 Lamé, Mathieu, spheroidal wave functions
- 30 Wave functions
- 32 Gegenbauer functions
- 40 Orthogonal polynomials, general (Chebyshev, Hermite, Jacobi, Laguerre polynomials and functions)

34. ORDINARY DIFFERENTIAL EQUATIONS

- 02 Solutions in closed form; integration by quadratures; reduction of differential equations
- 03 Operational calculus
- 04 General existence and uniqueness theorems, Picard approximations and generalizations
- 07 Continuous dependence of solution on parameter
- 10 Analytic theory
- 20 Linear equations and systems, general coefficients
- 21 Linear equations with constant coefficients
- 22 Linear equations with periodic and almost periodic coefficients
- 30 Boundary-value problems, linear equations
- 31 Sturm-Liouville theory
- 32 Eigenvalues, eigenfunctions
- 33 Eigenfunction expansions
- 34 Asymptotic properties of eigenfunctions
- 36 Boundary-value problems, non-linear
- 40 Qualitative theory of first- and second-order equations and systems; singular points and limit cycles
- 41 Periodic and almost periodic solutions
- 42 Non-linear oscillations
- 43 Stability of first- and second-order equations and systems
- 50 Qualitative theory of equations and systems of order greater than 2; asymptotic behavior of solutions
- 51 Stability; periodic and almost periodic solutions
- 53 Perturbations
- 54 Singular perturbations; small parameter with highest derivative
- 60 Stochastic differential equations
- 65 Dynamical systems, systems on manifolds
- 70 Equations and systems of infinite order
- 75 Difference-differential equations
- 76 Solution by finite differences
- 80 Differential equations in Banach and other spaces
- 85 Optimal control problems

35. PARTIAL DIFFERENTIAL EQUATIONS

- 05 General properties of solutions, Cauchy-Kowalewski theorems, etc.
- 10 First-order equations and systems
- 12 Classification of equations and systems
- 13 Exact equations and integrable systems. Pfaffian equations
- 15 Characteristics
- 20 Separation of variables, elementary properties of the equations of mathematical physics
- 30 Elliptic equations and systems of first and second order
- 31 Strongly elliptic systems
- 32 Quasi-linear elliptic equations and systems
- 33 Schrödinger equation, wave equation
- 34 Maxwell's equations, Helmholtz equation
- 35 Spectral analysis, eigenfunctions, operators
- 36 Elliptic systems and equations of higher order
- 37 Biharmonic equation
- 40 Hyperbolic equations and systems of second order
- 41 Quasi-linear hyperbolic systems and equations of second order

SUBJECT CLASSIFICATION

- | | |
|--|---|
| <p>45 Hyperbolic equations and systems of higher order
Parabolic equations of second order</p> <p>55 Equations of mixed type and second order
Mixed type, order higher than two
Non-linear equations and systems</p> <p>62 Approximation of solutions
Solution by finite differences</p> <p>65 Special equations : Navier-Stokes, etc.</p> <p>70 Asymptotic properties</p> <p>75 Infinite systems, equations of infinite order
Equations in Banach spaces and other spaces</p> <p>39. FINITE DIFFERENCES AND FUNCTIONAL EQUATIONS</p> <p>10 Finite differences, general</p> <p>12 Solution of ordinary differential equations by finite differences</p> <p>13 Solution of partial differential equations by finite differences</p> <p>20 Difference equations</p> <p>30 Functional equations</p> <p>40. SEQUENCES, SERIES, SUMMABILITY</p> <p>10 Series and sequences of numbers, general</p> <p>11 Infinite products</p> <p>12 Continued fractions</p> <p>13 Convergence</p> <p>15 Multiple series and sequences</p> <p>20 Sequences and series of functions, convergence</p> <p>30 Summability, general methods</p> <p>31 Summability, matrix methods</p> <p>32 Cesàro summability</p> <p>33 Abel, Poisson summability</p> <p>35 Summability of double series</p> <p>40 Convergence and summability of integrals</p> <p>42 Tauberian theorems</p> <p>41. APPROXIMATIONS AND EXPANSIONS</p> <p>10 Interpolation</p> <p>15 Polynomial approximation</p> <p>17 Approximation by rational functions</p> <p>20 Approximate quadratures</p> <p>40 Rate of convergence, degree of approximation, best approximation</p> <p>41 Constructive theory of functions</p> <p>45 Approximation by smoothing integrals</p> <p>50 Asymptotic approximations</p> <p>55 Other methods of approximation</p> <p>42. FOURIER ANALYSIS</p> <p>05 Trigonometric polynomials</p> <p>06 Best approximation by trigonometric polynomials</p> <p>08 Trigonometric interpolation</p> <p>10 Fourier coefficients</p> <p>11 Convergence of Fourier series</p> <p>15 Orthogonal functions</p> <p>16 Expansions in orthogonal functions</p> <p>17 Completeness of sets of orthogonal functions</p> <p>18 Completeness, closure, spectral synthesis</p> <p>20 Summability of Fourier and generalized Fourier expansions</p> <p>25 Fourier transform</p> <p>26 Other Fourier-type transforms</p> <p>27 Trigonometric moment problems</p> <p>30 Almost periodic functions</p> <p>35 Positive definite functions</p> <p>40 Multiple Fourier series and integrals</p> <p>50 Abstract harmonic analysis</p> <p>44. INTEGRAL TRANSFORMS, OPERATIONAL CALCULUS</p> <p>10 Laplace transform</p> <p>25 Convolution</p> | <p>28 General transforms</p> <p>30 Special transforms: Legendre, Hilbert, etc.</p> <p>32 Multiple transforms</p> <p>40 Operational calculus</p> <p>42 Operational calculus in several variables</p> <p>50 Fractional derivatives and integrals</p> <p>60 Moment problems</p> <p>45. INTEGRAL EQUATIONS</p> <p>10 Linear integral equations, general</p> <p>11 Fredholm equations</p> <p>12 Eigenvalue problems</p> <p>13 Volterra equations</p> <p>15 Singular equations</p> <p>20 Systems of linear equations</p> <p>30 Non-linear integral equations</p> <p>31 Singular non-linear equations</p> <p>40 Integro-differential equations</p> <p>46. FUNCTIONAL ANALYSIS</p> <p>10 Topological linear spaces (including normed spaces and Hilbert spaces)</p> <p>20 Partially ordered linear spaces</p> <p>30 Special function spaces</p> <p>40 Distributions</p> <p>50 Single linear operators in linear or partially ordered spaces</p> <p>60 Groups or semigroups of linear operators, representations of topological groups</p> <p>65 Rings of operators, group algebras, abstract topological algebras, and their representations</p> <p>70 Banach algebras of analytic functions</p> <p>80 Differential and integral operators</p> <p>90 Applications of functional analysis</p> <p>49. CALCULUS OF VARIATIONS</p> <p>50. GEOMETRY</p> <p>05 Foundations</p> <p>10 Euclidean</p> <p>11 Triangles, tetrahedra</p> <p>12 Circles, spheres</p> <p>14 Constructions</p> <p>15 Descriptive geometry</p> <p>17 Analytic geometry</p> <p>20 Affine geometry, general</p> <p>25 Transformations</p> <p>30 Projective geometry, general</p> <p>35 Transformations</p> <p>38 Second-order loci</p> <p>40 Non-Euclidean geometry (i.e., hyperbolic or elliptic)</p> <p>46 Minkowski geometry</p> <p>48 Special geometries</p> <p>50 Classical algebraic geometry</p> <p>51 Foundations</p> <p>52 Transformations</p> <p>55 Curves</p> <p>56 Surfaces</p> <p>57 Abelian varieties, genera, integrals</p> <p>60 Finite geometries</p> <p>70 Projective planes</p> <p>80 Configurations</p> <p>90 Regular figures, divisions of space</p> <p>95 Paradoxical decompositions</p> <p>52. CONVEX SETS AND GEOMETRIC INEQUALITIES</p> <p>10 Convex polyhedra</p> <p>25 Convex curves</p> <p>30 Convex regions</p> <p>34 Helly-type theorems</p> <p>40 Extremum problems and geometric inequalities</p> <p>45 Packing and covering</p> <p>50 Distance geometries</p> |
|--|---|

SUBJECT CLASSIFICATION

53. DIFFERENTIAL GEOMETRY

- 01 Curves and surfaces in Euclidean spaces
- 04 Minimal surfaces
- 10 Affine differential geometry
- 20 Projective differential geometry
- 25 Conformal differential geometry
- 30 Non-Euclidean differential geometry
- 32 Other special differential geometries
- 35 Vector and tensor analysis
- 38 Spinor analysis
- 40 Differentiable manifolds (general theory), e.g., definitions, jets, tangent bundles
- 42 Differential invariants (local theory), geometric objects
- 45 Differential calculus (global theory); forms, currents, integration, tensor fields, etc.
- 50 Connections (general theory), including G -structures
- 55 Affine connections
- 60 Projective connections
- 65 Conformal connections
- 70 Local Riemannian geometry
- 72 Riemannian manifolds
- 75 Global surface theory (convex surfaces)
- 78 Lorentz metrics and generalizations
- 80 Kählerian connections and generalizations
- 85 Finsler spaces and generalizations (areal metrics)
- 90 Integral geometry
- 99 Other generalizations (G-spaces of Busemann, etc.)

54. GENERAL TOPOLOGY

- 10 Axiomatics; generalizations of topological spaces
- 20 General topological spaces
- 21 Convergence notions
- 22 Compactness and generalizations
- 23 Compactifications, other extensions
- 24 Proximity spaces
- 25 Uniform spaces
- 26 Metric spaces, metrizability
- 27 Dimension theory
- 28 Mappings
- 29 Many-valued mappings
- 30 Continua
- 35 Topological semigroups, lattices, etc.
- 40 Topology of E_2 , 2-manifolds
- 50 Topology of E_n , n -manifolds ($n > 2$)
- 60 Transformation groups
- 70 Topological dynamics
- 80 Fixed-point theorems, coincidence theorems, etc.

55. ALGEBRAIC TOPOLOGY

- 10 Graphs, map-coloring
- 20 Knots, links
- 30 Homology and cohomology theory
- 32 Sheaves
- 34 Cohomology (and homology) operations, Steenrod algebra
- 36 Periodic transformations, fixed points, coincidences (Smith theory)
- 38 Dimension theory
- 40 Homotopy theory, general
- 42 Algebra of mappings (including cohomotopy groups)
- 45 Computation of homotopy groups
- 50 Fiber spaces
- 52 Spectral sequences
- 60 Manifolds
- 62 Classification
- 64 Mappings
- 66 Generalized manifolds, local homology
- 68 Homotopy manifolds
- 70 Imbedding, immersion

57. TOPOLOGY AND GEOMETRY OF DIFFERENTIABLE MANIFOLDS

- 10 Differentiable structures, cobordism
- 20 Differentiable mappings, imbeddings, immersions, diffeomorphisms
- 30 Fiber bundles, tangent bundles
- 32 Characteristic classes
- 34 Topology of vector and tensor fields
- 36 Foliations
- 40 Topology of Lie groups
- 45 Topology of homogeneous spaces
- 50 Analysis on differentiable manifolds
- 60 Complex manifolds (also in several complex variables)
- 70 Infinite Lie groups, deformations

60. PROBABILITY

- 05 Foundations
- 10 Combinatorial probability theory
- 15 Geometric probability theory
- 20 Distributions
- 30 Limit theorems
- 40 Stochastic processes, general theory
- 45 Markov processes
- 48 Branching processes
- 50 Stationary processes
- 55 Random walks, Brownian motion
- 60 Queueing theory, telephone traffic, storage
- 62 Renewal theory
- 65 Other special processes
- 70 Random noise
- 90 Other applications

62. STATISTICS

- 05 Elementary descriptive statistics
- 10 Distributions of statistical functions
- 20 Estimation theory: parametric case
- 25 Testing of hypotheses: parametric case
- 30 Multivariate analysis, regression analysis
- 35 Order statistics
- 40 Non-parametric methods
- 50 Analysis of experiments
- 55 Design of experiments
- 60 Decision theory
- 65 Multistage decision procedures, sequential analysis
- 70 Statistical engineering, quality control
- 75 Life testing
- 80 Sampling surveys
- 85 Statistical analysis of stochastic processes, time series analysis
- 90 Applications

65. NUMERICAL METHODS

- 05 General mathematical methods, iteration
- 15 Monte Carlo methods
- 20 Interpolation, smoothing, least squares, curve fitting, approximation of functions
- 25 Computation of special functions, series, integrals
- 30 Mathematical programming
- 35 Linear equations, determinants, matrices
- 40 Eigenvalues, eigenvectors, Rayleigh-Ritz method
- 50 Solution of algebraic and transcendental equations and systems
- 55 Numerical differentiation and integration, mechanical quadrature
- 60 Ordinary differential equations
- 65 Partial differential equations
- 70 Difference and functional equations
- 75 Integral and integro-differential equations
- 80 Error analysis
- 85 Graphical methods, nomography
- 90 Harmonic analysis and synthesis
- 95 Tables

SUBJECT CLASSIFICATION

- | | |
|--|--|
| <p>68. COMPUTING MACHINES</p> <p>69. GENERAL APPLIED MATHEMATICS</p> <p>70. MECHANICS OF PARTICLES AND SYSTEMS</p> <ul style="list-style-type: none"> 10 Foundations 20 Statics 30 Kinematics, mechanisms, linkages 40 Dynamics 50 Oscillations, stability 55 Non-linear oscillation 60 Exterior ballistics 70 Variable mass, rockets <p>73. ELASTICITY, PLASTICITY</p> <ul style="list-style-type: none"> 05 Foundations of mechanics of deformable solids 06 Elasticity: general theorems 07 Finite deformation 10 Plane stress and strain 15 Three-dimensional problems 25 Beams and rods 30 Plates 32 Shells and membranes 35 Anisotropic bodies 37 Dislocation theory 45 Vibrations, structural dynamics 47 Aeroelasticity 50 Stability, buckling, failure 55 Wave propagation, impact 65 Visco-elasticity 70 Plasticity, creep 80 Soil mechanics 90 Thermo-mechanics <p>76. FLUID MECHANICS, ACOUSTICS</p> <ul style="list-style-type: none"> 05 Foundations 10 Incompressible fluids: general theory 15 Incompressible fluids with special boundaries 17 Airfoil theory 20 Free surface flows, water waves, jets, wakes 25 Viscous fluids 30 Boundary layer theory 35 Stability of flow 37 Convection 40 Turbulence 45 Rarefied gas flow 50 Compressible fluids: general theory 55 Compressible fluids: subsonic flow 60 Compressible fluids: transonic flow 65 Compressible fluids: supersonic and hypersonic flow 70 Shock waves 75 Aero- and hydrodynamic sound 80 Acoustics 85 Non-Newtonian fluids 90 Magnetohydro- and aerodynamics, ionized gas flow (see also 78.30 ; 82.25 ; 85.60) 92 Quantum hydrodynamics 93 Relativistic hydrodynamics 95 Diffusion, filtration <p>78. OPTICS, ELECTROMAGNETIC THEORY, CIRCUITS</p> <ul style="list-style-type: none"> 05 Geometric optics 10 Physical optics 20 Electron optics 30 Space charge waves 40 Electromagnetic theory 45 Electro- and magnetostatics 50 Waves and radiation 60 Diffraction, scattering 70 Antennas, wave-guides 80 Circuits, networks (for switching theory, see 94.70) 90 Technical applications | <p>80. CLASSICAL THERMODYNAMICS, HEAT TRANSFER</p> <ul style="list-style-type: none"> 10 Classical thermodynamics 20 Heat and mass transfer 30 Combustion, interior ballistics 40 Chemical kinetics <p>81. QUANTUM MECHANICS</p> <ul style="list-style-type: none"> 10 General theory 15 Scattering theory 20 Mathematical field theory 22 Dispersion relations 24 Weak interactions 26 Elementary particles 28 Nuclear physics 30 Atomic physics 38 Molecular physics 50 Quantum mechanics of many-body systems 60 Superconductivity and superfluidity 70 Quantum statistical mechanics <p>82. STATISTICAL PHYSICS, STRUCTURE OF MATTER</p> <ul style="list-style-type: none"> 05 General statistical mechanics 10 Quantum statistical mechanics 15 Statistical thermodynamics 17 Irreversible thermodynamics 20 Kinetic theory of gases 25 Plasma (see also 76.90) 30 Liquids 40 Solids 45 Crystals 50 Metals 60 Transport processes 65 Nuclear reactor theory <p>83. RELATIVITY</p> <ul style="list-style-type: none"> 10 Special relativity 20 General relativity 30 Unified field theories 40 Other relativistic theories <p>85. ASTRONOMY</p> <ul style="list-style-type: none"> 10 Celestial mechanics 15 Galactic and stellar dynamics 20 3- and n-body problems 27 Astronautics 30 Stellar structure 40 Stellar atmospheres, radiative transfer 50 Hydrodynamic and hydromagnetic problems 60 Statistical astronomy 70 Cosmology 80 Special problems 90 Radio astronomy <p>86. GEOPHYSICS</p> <ul style="list-style-type: none"> 10 Hydrology, hydrography, oceanography 20 Meteorology 30 Seismology 40 Potentials, prospecting 50 Geo-electricity and magnetism 60 Geodesy, mapping problems 70 Atmospheric physics <p>90. ECONOMICS, OPERATIONS RESEARCH, GAMES</p> <ul style="list-style-type: none"> 05 Decisions, utility 10 Economic models 15 Economic time-series analysis 17 Miscellaneous applications to economics 30 Management science, operations research 35 Highway traffic |
|--|--|

SUBJECT CLASSIFICATION

- 40 Actuarial theory
- 50 Linear programming
- 52 Transportation problems
- 54 Flows in networks
- 56 Integer programming
- 58 Non-linear programming
- 60 Logistics, inventory, storage
- 70 Games
- 80 *n*-person games

92. BIOLOGY AND BEHAVIORAL SCIENCES

- 10 Biology
- 20 Genetics
- 30 Population dynamics, epidemiology
- 40 Sociology

- 50 Psychology
- 55 Nervous networks

94. INFORMATION, COMMUNICATION, CONTROL

- 65 Foundations, coding theorem
- 10 Statistical theory of communication channels, filters
- 13 Detection
- 15 Codes, decoding
- 20 Data processing
- 30 Linguistics, machine translation
- 55 Control systems
- 57 Stability of control systems
- 60 Optimal control
- 65 Random control
- 70 Switching theory, relays
- 80 Servomechanisms
- 90 Automata

ABBREVIATIONS OF NAMES OF JOURNALS

This list gives the form of references used in MATHEMATICAL REVIEWS and the complete title; the place of publication and other pertinent information are given in parentheses when desirable for clarity.

- Abh. Akad. Wiss. Göttingen Math.-Phys. Kl.* Abhandlungen der Akademie der Wissenschaften in Göttingen. Mathematisch-Physikalische Klasse. (Göttingen)
- Abh. Deutsch. Akad. Wiss. Berlin Kl. Math. Phys. Tech.* Abhandlungen der Deutschen Akademie der Wissenschaften zu Berlin. Klasse für Mathematik, Physik und Technik. (Berlin)
- Abh. Dokumentationszentrums Technik Wirtschaft.* Abhandlungen des Dokumentationszentrums der Technik und Wirtschaft. (Vienna)
- Abh. Math. Sem. Univ. Hamburg.* Abhandlungen aus dem Mathematischen Seminar der Universität Hamburg. (Hamburg)
- Abh. Sächs. Akad. Wiss. Leipzig Math.-Nat. Kl.* Abhandlungen der Sächsischen Akademie der Wissenschaften zu Leipzig. Mathematisch-Naturwissenschaftliche Klasse. (Leipzig) (Formerly: *Abh. Sächs. Akad. Wiss. Math.-Nat. Kl.*)
- Abh. Sächs. Akad. Wiss. Math.-Nat. Kl.* Abhandlungen der Sächsischen Akademie der Wissenschaften zu Leipzig. Mathematisch-Naturwissenschaftliche Klasse. (Leipzig) (Continued as: *Abh. Sächs. Akad. Wiss. Leipzig Math.-Nat. Kl.*)
- Acad. R. P. Române An. Româno-Soviet. Ser. Mat.-Fiz.* Academia Republicii Populare Române. Institutul de Studii Româno-Sovietice. Analele Româno-Sovietice. Seria Matematică-Fizică. Rumyno-Sovetiske Zapiski. Fiziko-Matematičeskaja Serija. (Bucharest)
- Acad. R. P. Române Baza Cerc. Ști. Timișoara Stud. Cerc. Ști. Tehn.* Academia Republicii Populare Române. Baza de Cercetări Științifice Timișoara. Studii și Cercetări Științe Tehnice. (Timișoara)
- Acad. R. P. Române Fil. Cluj Stud. Cerc. Mat.* Academia Republicii Populare Române. Institutul de Calcul. Filiala Cluj. Studii și Cercetări de Matematică. (Cluj) (Formerly: *Acad. R. P. Române Fil. Cluj Stud. Cerc. Mat. Fiz.*)
- Acad. R. P. Române Fil. Iași Stud. Cerc. Mat. Fiz.* Academia Republicii Populare Române. Filiala Iași. Studii și Cercetări Științifice. Fizică și Științe Tehnice. (Iași)
- Acad. R. P. Române Fil. Iași Stud. Cerc. Mat. Fiz. Ști. Tehn.* Academia Republicii Populare Române. Filiala Iași. Studii și Cercetări Științifice. Fizică și Științe Tehnice. (Iași)
- Acad. R. P. Române Fil. Iași Stud. Cerc. Mat.* Academia Republicii Populare Române. Filiala Iași. Studii și Cercetări Științifice. Matematică. (Iași)
- Acad. R. P. Române Stud. Cerc. Mat.* Academia Republicii Populare Române. Institutul de Matematică. Studii și Cercetări Matematice. Matematičeskie Trudy i Issledovaniya. Etudes et Recherches Mathématiques. (Bucharest)
- Acad. R. P. Române Stud. Cerc. Mec. Apl.* Academia Republicii Populare Române. Institutul de Mecanică Aplicată "Traian Vuia". Studii și Cercetări de Mecanică Aplicată. (Bucharest)
- Acad. Roy. Belg. Bull. Cl. Sci.* Académie Royale de Belgique. Bulletin de la Classe des Sciences. Koninklijke Belgische Academie. Mededelingen van de Klasse der Wetenschappen. (Brussels)
- Acad. Roy. Belg. Cl. Sci. Mém. Coll. in-8°.* Académie Royale de Belgique. Classe des Sciences. Mémoires. Collection in-8°. Koninklijke Belgische Academie. Klasse der Wetenschappen. Verhandelingen. Versameling in-8°. (Brussels)
- Acad. Serbe Sci. Arts Glas Cl. Sci. Math. Nat.* Académie Serbe des Sciences et des Arts. Glas. Classe des Sciences Mathématiques et Naturelles. Nouvelle Série. (Belgrade) (Formerly: *Glas Srpske Akad. Nauka Od. Prirod.-Mat. Nauka*)
- Acad. Serbe Sci. Publ. Inst. Math.* Académie Serbe des Sciences. Publications de l'Institut Mathématique. (Belgrade) (Continued as: *Publ. Inst. Math. (Beograd)*)
- Accad. Naz. Sci. Lett. Arti Modena Atti Mem.* Accademia Nazionale di Scienze Lettere e Arti. Modena. Atti e Memorie. (Modena) (Formerly: *Accad. Sci. Modena Atti Mem.*)
- Accad. Sci. Modena Atti Mem.* Accademia di Scienze, Lettere e Arti di Modena. Atti e Memorie. (Modena) (Continued as: *Accad. Naz. Sci. Lett. Arti Modena Atti Mem.*)
- Acta Acad. Abo. Math. Phys.* Acta Academiae Aboensis. Mathematica et Physica. (Abo = Turku)
- Acta Arith. Polska Akademia Nauk. Instytut Matematyczny.* Acta Arithmetica. (Warsaw)
- Acta Astronom. Sinica.* Acta Astronomica Sinica. (Peking)
- Acta Biotheor.* Acta Biotheoretica. (Leiden)
- Acta Cryst.* Acta Crystallographica. (Copenhagen)
- Acta Fac. Nat. Univ. Comenian. Acta Facultatis Rerum Naturalium Universitatis Comenianae.* (Bratislava)
- Acta Math.* Acta Mathematica. (Uppsala)
- Acta Math. Acad. Sci. Hungar.* Acta Mathematica Academiae Scientiarum Hungaricae. (Budapest)
- Acta Math. Sinica.* Acta Mathematica Sinica. (Peking) (Translated as: *Chinese Math.*)
- Acta Mech. Sinica.* Acta Mechanica Sinica. (Peking)
- Acta Phys. Acad. Sci. Hungar.* Acta Physica Academiae Scientiarum Hungaricae. (Budapest)
- Acta Phys. Austriaca.* Acta Physica Austriaca. (Vienna)
- Acta Phys. Polon.* Polska Akademia Nauk. Instytut Fizyki. Acta Physica Polonica. (Warsaw)
- Acta Polytech. Scandinav.* Acta Polytechnica Scandinavica. (Stockholm)
- Acta Sci. Math. (Szeged).* Acta Universitatis Szegediensis. Acta Scientiarum Mathematicarum. (Szeged)
- Acta Tech. Acad. Sci. Hungar.* Acta Technica Academiae Scientiarum Hungaricae. (Budapest)
- Acta Univ. Debrecen.* Acta Universitatis Debrecenensis de Ludovicio Kosuth Nominatae. (Debrecen)
- Acta Univ. Lund. N.S. (Lund)* See *Lunds Univ. Årsskr. Avd. 2.*
- Actes Soc. Helv. Sci. Nat.* Actes de la Société Helvétique des Sciences Naturelles. Verhandlungen der Schweizerischen Naturforschenden Gesellschaft. Atti della Società Elvetica di Scienze Naturali. (Basel)
- Actualités Sci. Indust.* Actualités Scientifiques et Industrielles. (Paris)
- Acustica.* Acustica. (Zürich)
- Advances in Math.* Advances in Mathematics. (New York)
- Advances in Phys.* Advances in Physics. A Quarterly Supplement of the Philosophical Magazine. (London)
- Aero. Quart.* The Aeronautical Quarterly. (London)
- AIAA J.* AIAA Journal. (Easton, Pa.) (Formerly: *ARS J. and J. Aerospace Sci.*)
- Akad. Nauk Armjan. SSR Dokl.* Akademija Nauk Armjanskoi SSR. Doklady. (Erevan)

ABBREVIATIONS OF NAMES OF JOURNALS

- Akad. Nauk Azerbaidžan. SSR Dokl.* Akademija Nauk Azerbaidžanskoi SSR. Doklady. (Baku)
- Akad. Nauk Azerbaidžan. SSR Trudy Inst. Fiz. Mat.* Akademija Nauk Azerbaidžanskoi SSR. Trudy Instituta Fiziki i Matematiki. (Baku)
- Akad. Nauk Azerbaidžan. SSR Trudy Inst. Mat. Meh.* Akademija Nauk Azerbaidžanskoi SSR. Trudy Instituta Matematiki i Mekhaniki. (Baku)
- Akad. Nauk BSSR Trudy Inst. Fiz. Mat.* Akademija Nauk Belaruskoj SSR. Institut Fiziki i Matematiki. Trudy Instituta Fiziki i Matematiki. (Minsk)
- Akad. Nauk Gruzin. SSR Trudy Tbiliss. Mat. Inst. Razmadze.* Akademija Nauk Gruzinskoi SSR. Trudy Tbilisskogo Matematicheskogo Instituta im. A. M. Razmadze. (Tiflis)
- Akad. Nauk Kazah. SSR Trudy Astrofiz. Inst.* Akademija Nauk Kazahskoj SSR. Trudy Astrofizicheskogo Instituta. (Alma-Ata)
- Akad. Nauk Kazah. SSR Trudy Sekt. Mat. Meh.* Akademija Nauk Kazahskoj SSR. Trudy Sektora Matematiki i Mekhaniki. (Alma-Ata)
- Akad. Nauk Latv. SSR Trudy Inst. Fiz.* Akademija Nauk Latvijskoj SSR. Trudy Instituta Fiziki. (Riga)
- Akad. Nauk SSSR Izv. Sibirsk. Otd.* Akademija Nauk SSSR. Izvestija Sibirskego Otdelenija Akademii Nauk SSSR. (Novosibirsk)
- Akad. Nauk Ukrains. RSR Prikl. Meh.* (Kiev) See *Prikladna Meh.*
- Akad. Nauk Uzbek. SSR Trudy Inst. Mat.* Akademija Nauk Uzbekskoj SSR. Trudy Instituta Matematiki im. V. I. Romanovskogo. (Tashkent) (Formerly: *Akad. Nauk Uzbek. SSR Trudy Inst. Mat. Meh.*)
- Akad. Nauk Uzbek. SSR Trudy Inst. Mat. Meh.* Akademija Nauk Uzbekskoj SSR. Trudy Instituta Matematiki i Mekhaniki im. V. I. Romanovskogo. (Tashkent) (Continued as: *Akad. Nauk Uzbek. SSR Trudy Inst. Mat.*)
- Akust. Wiss. Lit. Mainz Abh. Math.-Nat. Kl.* Akademie der Wissenschaften und der Literatur in Mainz. Abhandlungen der Mathematisch-Naturwissenschaftlichen Klasse. (Wiesbaden)
- Akust. Beihefte.* Akustische Beihefte. (Stuttgart)
- Akust. Z.* Akademija Nauk SSSR. Akustičeskij Žurnal. (Moscow) (Translated as: *Soviet Physics Acoust.*)
- Algebra i Logika Sem.* Akademija Nauk SSSR. Sibirskoe Otdelenie. Institut Matematiki. Algebra i Logika. Seminar. (Novosibirsk)
- Algorytmy.* Algorytmy. Prace. Instytutu Maszyn Matematycznych Polakiej Akademii Nauk. (Warsaw)
- Allgemein. Statist. Arch.* Allgemeines statistisches Archiv. Organ der Deutschen Statistischen Gesellschaft. (Munich)
- Amer. J. Math.* American Journal of Mathematics. (Baltimore, Md.)
- Amer. J. Phys.* American Journal of Physics. (New York)
- Amer. J. Sci.* American Journal of Science. (New Haven, Conn.)
- Amer. Math. Monthly.* The American Mathematical Monthly. (Buffalo, N.Y.)
- Amer. Math. Soc. Transl.* American Mathematical Society Translations. (Providence, R.I.)
- AMR.* Applied Mechanics Reviews. (New York)
- An. Acad. Brasil. Ci.* Anais da Academia Brasileira de Ciencias. (Rio de Janeiro)
- An. Soc. Ci. Argentina.* Anales de la Sociedad Cientifica Argentina. (Buenos Aires)
- An. Sti. Univ. "Al. I. Cuza" Iași Secj. I.* Analele Științifice ale Universității "Al. I. Cuza" din Iași. (Seria Nouă). Secțiunea I. (Matematică, Fizică, Chimie). (Iași)
- An. Sti. Univ. "Al. I. Cuza" Iași Secj. II.* Analele Științifice ale Universității "Al. I. Cuza" din Iași. (Seria Nouă). Secțiunea II. (Științe Naturale-Geografie). (Iași)
- An. Univ. București Ser. Acta Logica.* Analele Universității București. Seria Acta Logica. (Bucharest) (Formerly: *An. Univ. "C. I. Parhon" București Ser. Acta Logica*)
- An. Univ. "C. I. Parhon" București Ser. Acta Logica.* Analele Universității "C. I. Parhon" București. Seria Acta Logica. (Bucharest) (Continued as: *An. Univ. București Ser. Acta Logica*)
- An. Univ. "C. I. Parhon" București Ser. Ști. Nat.* Analele Universității "C. I. Parhon" București. Seria Științelor Naturii. (Bucharest) (Continued as: *An. Univ. C. I. Parhon Ser. Ști. Nat. Mat.-Fiz.*)
- An. Univ. C. I. Parhon Ser. Ști. Nat. Mat.-Fiz.* Analele Universității C. I. Parhon. Seria Științele Naturii. Matematică-Fizică. (Bucharest) (Formerly: *An. Univ. "C. I. Parhon" București Ser. Ști. Nat.*)
- An. Acad. Roy. Belg.* Annuaire de l'Académie Royale de Belgique. Jaarboek van de Koninklijke Belgische Academie. (Brussels) See *Annuaire Acad. Roy. Belg.*
- Ann. Acad. Sci. Fenn. Ser. A I.* Suomalaisen Tiedeakatemian Toimituksia. Sarja A. Annales Academiae Scientiarum Fennicarum. Series A. I. Mathematica. (Helsinki)
- Ann. Acad. Sci. Fenn. Ser. A VI.* Suomalaisen Tiedeakatemian Toimituksia. Sarja A. Annales Academiae Scientiarum Fennicarum. Series A. VI. Physica. (Helsinki)
- Ann. Assoc. Internat. Calcul Anal.* Annales de l'Association Internationale pour le Calcul Analogique. Proceedings of the International Association for Analog Computation. (Brussels)
- Ann. Astrophys.* Annales d'Astrophysique. (Paris)
- Ann. Fac. Sci. Univ. Toulouse.* Annales de la Faculté des Sciences de l'Université de Toulouse pour les Sciences Mathématiques et les Sciences Physiques. (Toulouse)
- Ann. Geofis.* Annali di Geofisica. Rivista dell'Istituto Nazionale di Geofisica. (Rome)
- Ann. Human Genetics.* Annals of Human Genetics. (London)
- Ann. Inst. Fourier (Grenoble).* Université de Grenoble. Annales de l'Institut Fourier. (Grenoble)
- Ann. Inst. H. Poincaré.* Annales de l'Institut Henri Poincaré. (Paris)
- Ann. Inst. Statist. Math.* Annals of the Institute of Statistical Mathematics. (Tokyo)
- Ann. Japan Assoc. Philos. Sci.* Annals of the Japan Association for Philosophy of Science. (Tokyo)
- Ann. Mat. Pura Appl.* Annali di Matematica Pura ed Applicata. (Bologna)
- Ann. Math. Statist.* The Annals of Mathematical Statistics. (Baltimore, Md.)
- Ann. New York Acad. Sci.* Annals of the New York Academy of Sciences. (New York)
- Ann. of Math.* Annals of Mathematics. (Princeton, N.J.)
- Ann. of Sci.* Annals of Science. (London)
- Ann. Physic.* Annals of Physics. (New York)
- Ann. Physik.* Annalen der Physik. (Leipzig)
- Ann. Physique.* Annales de Physique. (Paris)
- Ann. Polon. Math.* Polska Akademia Nauk. Annales Polonici Mathematici. (Warsaw)
- Ann. Ponts Chaussées.* Annales de Ponts et Chaussées. (Paris)
- Ann. Radiodéc.* Annales de Radioélectricité. (Paris)
- Ann. Sci. École Norm. Sup.* Annales Scientifiques de l'École Normale Supérieure. (Paris)
- Ann. Scuola Norm. Sup. Pisa.* Annali della Scuola Normale Superiore di Pisa. Scienze Fisiche e Matematiche. (Pisa)
- Ann. Soc. Sci. Bruxelles Sér. I.* Annales de la Société Scientifique de Bruxelles. Série I. Sciences Mathématiques, Astronomiques et Physiques. (Brussels)

ABBREVIATIONS OF NAMES OF JOURNALS

- Ann. Télécommun.* Annales des Télécommunications. (Paris)
- Ann. Univ. Lyon Sect. A.* Annales de l'Université de Lyon. Section A. Sciences Mathématiques et Astronomie. (Lyon)
- Ann. Univ. Lyon Sect. B.* Annales de l'Université de Lyon. Section B. Sciences Physiques et Chimiques. (Lyon)
- Ann. Univ. Mariae Curie-Sklodowska Sect. A.* Annales Universitatis Mariae Curie-Sklodowska. Section A. Mathematics. (Lublin)
- Ann. Univ. Mariae Curie-Sklodowska Sect. AA.* Annales Universitatis Mariae Curie-Sklodowska. Section AA. Physics and Chemistry. (Lublin)
- Ann. Univ. Sarav.* Annales Universitatis Saraviensis. (Saarbrücken)
- Ann. Univ. Sci. Budapest. Eötvös Sect. Math.* Annales Universitatis Scientiarum Budapestinensis de Rolando Eötvös Nominatae. Sectio Mathematica. (Budapest)
- Ann. Univ. Turku. Ser. A I.* Annales Universitatis Turkuensis. Series A. I. (Turku)
- Annuaire Acad. Roy. Belg.* Annuaire de l'Académie Royale de Belgique. Jaarboek van de Koninklijke Belgische Akademie. (Brussels) (Formerly listed as: *Ann. Acad. Roy. Belg.*)
- Annuaire Univ. Sofia Fac. Sci. Phys. Math. Livre 1 Maté.* Godishnik na Sofiiskija Universitet Fiziko-Matematičeski Fakultet. Kniga 1—Matematika. Annuaire de l'Université de Sofia. Faculté des Sciences Physiques et Mathématiques. Livre 1—Mathématiques. (Sofia)
- Annuaire Univ. Sofia Fac. Sci. Phys. Math. Livre 2 Phys.* Godishnik na Sofiiskija Universitet Fiziko-Matematičeski Fakultet. Kniga 2—Fizika. Annuaire de l'Université de Sofia. Faculté des Sciences Physiques et Mathématiques. Livre 2—Physique. (Sofia)
- Anuário Obs. São Paulo.* Universidade de São Paulo. Instituto Astronómico e Geofísico. Anuário do Observatório de S. Paulo. (São Paulo)
- Appl. Mat.* Československá Akademie Věd. Aplikace Matematiky. (Prague)
- Appl. Mech. Rev.* Applied Mechanics Reviews. (New York) (Sometimes abbreviated as *AMR* in the text of *Math. Reviews*)
- Appl. Statist.* Applied Statistics. A Journal of the Royal Statistical Society. (London)
- Årbok Univ. Bergen Mat.-Nat. Ser.* Årbok for Universitetet i Bergen. Mat.-Naturv. Serie. (Bergen) (Formerly: *Univ. Bergen Årbok Naturvit. Rekke.*)
- Arch. Elektrotech.* Archiv für Elektrotechnik. (Berlin-Göttingen-Heidelberg)
- Arch. History Exact Sci.* Archive for History of Exact Sciences. (Berlin)
- Arch. Math.* Archiv der Mathematik. Archives of Mathematics. Archives Mathématiques. (Basel-Stuttgart)
- Arch. Math. Logik Grundlagenforsch.* Archiv für mathematische Logik und Grundlagenforschung. (Stuttgart)
- Arch. Mech. Stos.* Polska Akademia Nauk. Instytut Podstawowych Problemów Techniki. Archiwum Mechaniki Stosowanej. (Warsaw)
- Arch. Rational Mech. Anal.* Archive for Rational Mechanics and Analysis. (Berlin)
- Arch. Sci. Soc. Phys. Histoire Nat. Genève.* Archives des Sciences. Société de Physique et d'Histoire Naturelle de Genève. (Geneva)
- Archimede.* Archimede. Rivista per gli Insegnanti e i Cultori di Matematiche Pure e Applicate. (Florence)
- Ark. Astronom.* Arkiv för Astronomi. (Stockholm)
- Ark. Fys.* Arkiv för Fysik. (Stockholm)
- Ark. Mat.* Arkiv för Matematik. (Stockholm)
- Akhimedes.* Arkhimedes. Suomen Fysikkoseura—Finlands Fysikförening r.y. Suomen Matemaattinen Yhdistys—Finlands Matematiska Förening r.y. (Helsinki)
- ARS J.* ARS Journal. A Publication of the American Rocket Society. (Easton, Pa.) (Continued as: *AIAA J.*)
- Assoc. Roy. Actuar. Belges Bull.* Association Royale des Actuaires Belges. Bulletin. (Brussels)
- Astronaut. Acta.* Astronautica Acta. (Vienna)
- Astronom. J.* The Astronomical Journal. (New Haven, Conn.)
- Astronom. Jber.* Astronomischer Jahresbericht. (Berlin)
- Astronom. Nachr.* Astronomische Nachrichten. (Berlin)
- Astronom. Ž.* Akademija Nauk Sojuza SSR. Astronomičeskij Zurnal. (Moscow) (Translated as: *Soviet Astronom. AJ*)
- Astrophys. J.* The Astrophysical Journal. (Chicago, Ill.)
- Astrophys. Norvegica.* Det Norske Videnskaps-Akademie i Oslo. Astrophysical Norvegica. (Oslo)
- Atatürk Üni. Yayınları Ser.-Mat.* Atatürk Üniversitesi Yayınları. Arastırma Serisi—Matematik. Publications of Atatürk University. Research Series—Mathematics. (Erzurum)
- Atti Accad. Gioenia Catania.* Atti della Accademia Gioenia di Scienze Naturali in Catania. (Catania)
- Atti Accad. Ligure.* Atti della Accademia Ligure di Scienze e Lettere. (Genoa)
- Atti Accad. Naz. Lincei Mem. Cl. Sci. Fis. Mat. Nat. Sez. I.* Atti della Accademia Nazionale dei Lincei. Memorie. Classe di Scienze Fisiche, Matematiche e Naturali. Sessione I*. (Matematica, Meccanica, Astronomia, Geodesia e Geofisica). (Rome)
- Atti Accad. Naz. Lincei Mem. Cl. Sci. Fis. Mat. Nat. Sez. II.* Atti della Accademia Nazionale dei Lincei. Memorie. Classe di Scienze Fisiche, Matematiche e Naturali. Sessione II*. (Fisica, Chimica, Geologia, Paleontologia e Mineralogia). (Rome)
- Atti Accad. Naz. Lincei Rend. Adunanza Gen.* Atti della Accademia Nazionale dei Lincei. Rendiconti delle Adunanze Generali a Classi Riunite. (Rome) (Continued as: *Atti Accad. Naz. Lincei Rend. Adunanza Solenni*)
- Atti Accad. Naz. Lincei Rend. Adunanza Solenni.* Atti della Accademia Nazionale dei Lincei. Rendiconti delle Adunanze Solenni. (Rome) (Formerly: *Atti Accad. Naz. Lincei Rend. Adunanza Gen.*)
- Atti Accad. Naz. Lincei Rend. Cl. Sci. Fis. Mat. Nat.* Atti della Accademia Nazionale dei Lincei. Rendiconti. Classe di Scienze Fisiche, Matematiche e Naturali. (Rome)
- Atti Accad. Sci. Fis. Mat. Napoli.* Atti dell'Accademia delle Scienze Fisiche e Matematiche di Napoli. (Naples)
- Atti Accad. Sci. Ist. Bologna Cl. Sci. Fis. Mem.* Atti della Accademia delle Scienze dell'Istituto di Bologna. Classe di Scienze Fisiche. Memorie. (Bologna)
- Atti Accad. Sci. Ist. Bologna Cl. Sci. Fis. Rend.* Atti della Accademia delle Scienze dell'Istituto di Bologna. Classe di Scienze Fisiche. Rendiconti. (Bologna)
- Atti Accad. Sci. Lett. Arti Palermo Parte I.* Atti della Accademia di Scienze Lettere e Arti di Palermo. Parte Prima: Scienze. (Palermo)
- Atti Accad. Sci. Torino Cl. Sci. Fis. Mat. Nat.* Atti della Accademia delle Scienze di Torino. Classe di Scienze Fisiche, Matematiche e Naturali. (Turin)
- Atti Sem. Mat. Fis. Univ. Modena.* Atti del Seminario Matematico e Fisico dell'Università di Modena. (Modena)
- Austral. J. Appl. Sci.* Australian Journal of Applied Science. (Melbourne)
- Austral. J. Phys.* Australian Journal of Physics. (Melbourne)
- Austral. J. Sci.* The Australian Journal of Science. (Sydney)
- Austral. J. Statist.* The Australian Journal of Statistics. (Sydney)

ABBREVIATIONS OF NAMES OF JOURNALS

- Automat. Remote Control.* Automation and Remote Control. (A translation of *Avtomatika i Telemekhanika*, a publication of the Academy of Sciences of the USSR). (Pittsburgh, Pa.) (Translation of *Avtomat. i Telemeh.*)
- Avh. Norske Vid.-Akad. Oslo I.* Avhandlinger Utgitt av det Norske Videnskaps-Akademie i Oslo. I. Mat.-Naturv. Klasse. (Oslo)
- Avtomat. i Telemeh.* Akademija Nauk Sojuza SSR. Avtomatika i Telemekhanika. (Moscow) (Translated as: *Automat. Remote Control*)
- Azerbaidzhan. Gos. Univ. Učen. Zap. Ser. Fiz.-Mat. Him. Nauk.* Azerbaidžanskij Gosudarstvennyj Universitet im. S. M. Kirova. Učenye Zapiski. Serija Fiziko-Matematičeskikh i Himičeskikh Nauk. (Baku)
- Bayer. Akad. Wiss. Math.-Nat. Kl. Abb.* Bayerische Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Klasse. Abhandlungen. (Munich)
- Bayer. Akad. Wiss. Math.-Nat. Kl. S.-B.* Bayerische Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Klasse. Sitzungsberichte. (Munich)
- Behavioral Sci.* Behavioral Science. (Baltimore, Md.-Ann Arbor, Mich.)
- Bell System Tech. J.* The Bell System Technical Journal. (New York)
- Biochim. Biophys. Acta.* Biochimica et Biophysica Acta. (Amsterdam)
- Biometrics.* Biometrics. Journal of the Biometric Society. (Blacksburg, Va.)
- Biometrika.* Biometrika. (London)
- Bol. Fac. Ingen. Agrimens. Montevideo.* Boletín de la Facultad de Ingeniería y Agrimensura de Montevideo. (Montevideo)
- Bol. Soc. Mat. Mexicana.* Boletín de la Sociedad Matemática Mexicana. (Mexico, D.F.)
- Bol. Soc. Mat. São Paulo.* Boletim da Sociedade de Matemática de São Paulo. (São Paulo)
- Bol. Univ. Paraná Fis. Teórica.* Boletim da Universidade do Paraná. Conselho de Pesquisas. Instituto de Física. Física Teórica. (Curitiba)
- Boll. Un. Mat. Ital.* Bollettino della Unione Matematica Italiana. (Bologna)
- Bonn. Math. Schr.* Bonner Mathematische Schriften. (Bonn)
- British J. Philos. Sci.* The British Journal for the Philosophy of Science. (Edinburgh)
- Bul. Inst. Politehn. Bucureşti.* Buletinul Institutului Politehnic Bucureşti. (Bucharest)
- Bul. Inst. Politehn. Iaşi.* Buletinul Institutului Politehnic din Iaşi. Serie Nouă. (Iaşi)
- Bul. řti. Inst. Politehn. Cluj.* Buletinul řtiinřific al Institutului Politehnic din Cluj. (Cluj) (Formerly: *Inst. Politehn. Cluj Lucrările řti.*)
- Bulgár. Akad. Nauk. Izv. Mat. Inst.* Bulgarska Akademija na Naukite. Odelenie za Fiziko-Matematičeski i Tehničeski Nauki. Izvestija na Matematičeskija Institut. (Sofia)
- Bull. Acad. Polon. Sci. Sér. Sci. Math. Astronom. Phys.* Bulletin de l'Académie Polonoise des Sciences. Série des Sciences Mathématiques, Astronomiques et Physiques. (Warsaw)
- Bull. Acad. Serbe Sci. Cl. Sci. Math. Nat. Sci. Math.* Bulletin de l'Académie Serbe des Sciences. Classe des Sciences Mathématiques et Naturelles Sciences. Mathématiques. (Belgrade)
- Bull. Amer. Math. Soc.* Bulletin of the American Mathematical Society. (Providence, R.I.)
- Bull. Astronom.* Bulletin Astronomique. (Paris)
- Bull. Astronom. Inst. Netherlands.* Bulletin of the Astronomical Institutes of the Netherlands. (Haarlem)
- Bull. Calcutta Math. Soc.* Bulletin of the Calcutta Mathematical Society. (Calcutta)
- Bull. Coll. Sci. (Baghdad).* Bulletin of the College of Science. University of Baghdad. (Baghdad)
- Bull. Earthquake Res. Inst. Tokyo.* Bulletin of the Earthquake Research Institute, University of Tokyo. (Tokyo)
- Bull. Fukuoka Gakugei Univ. III.* Bulletin of Fukuoka Gakugei University. III. Natural Sciences. (Fukuoka)
- Bull. Géodésique.* Bulletin Géodésique. (Paris)
- Bull. Inst. Internat. Statist.* Bulletin de l'Institut International de Statistique. (The Hague)
- Bull. (Izv.) Acad. Sci. USSR Geophys. Ser.* Bulletin (Izvestiya) Academy of Sciences, USSR. Geophysics Series. (Washington, D.C.) (Translation of *Izv. Akad. Nauk SSSR Ser. Geofiz.*)
- Bull. JSME.* Bulletin of JSME. (Japan Society of Mechanical Engineers). (Tokyo)
- Bull. Kyoto Gakugei Univ. Ser. B.* Bulletin of the Kyoto Gakugei University. Ser. B. Mathematics and Natural Science. (Kyoto)
- Bull. Kyushu Inst. Tech. Math. Nat. Sci.* Bulletin of the Kyushu Institute of Technology. Mathematics, Natural Science. (Tobata)
- Bull. Math. Biophys.* The Bulletin of Mathematical Biophysics. (Chicago, Ill.)
- Bull. Math. Soc. Nanyang Univ. Singapore.* Majallah Tahunan 'Ilmu Pasti. Bulletin of the Mathematical Society, Nanyang University, Singapore. (Singapore)
- Bull. Math. Soc. Sci. Math. Phys. R. P. Roumaine.* Bulletin Mathématique de la Société des Sciences Mathématiques et Physiques de la République Populaire Roumaine. (Bucharest)
- Bull. Math. Statist.* Bulletin of Mathematical Statistics. (Fukuoka)
- Bull. Res. Council Israel Sect. F.* Bulletin of the Research Council of Israel. Section F. Mathematics and Physics. (Jerusalem)
- Bull. Sci. Conseil Acad. RPF Yougoslav.* Bulletin Scientifique. Conseil des Académies de la RPF de Yougoslavie. (Zagreb)
- Bull. Sci. Math.* Bulletin des Sciences Mathématiques. (Paris)
- Bull. Signal. 1 Math. Pures Appl.* Ministère de l'Éducation Nationale. Centre National de la Recherche Scientifique. Bulletin Signalétique. 1. Mathématiques Pures et Appliquées. (Paris)
- Bull. Soc. Amis Sci. Lettres Poznań Sér. B.* Bulletin de la Société des Amis des Sciences et des Lettres de Poznań. Série B: Sciences Mathématiques et Naturelles. (Poznań)
- Bull. Soc. Math. Belg.* Bulletin de la Société Mathématique de Belgique. (Brussels)
- Bull. Soc. Math. France.* Bulletin de la Société Mathématique de France. (Paris)
- Bull. Soc. Math. Grèce.* Bulletin de la Société Mathématique de Grèce. (Athens)
- Bull. Soc. Math. Phys. Macédoine.* Bulletin de la Société des Mathématiciens et des Physiciens de la République Populaire de Macédoine. Bilten na Draštvoto na Matematičarite i Fizičarite od Narodna Republika Makedonija. (Skopje)
- Bull. Soc. Math. Phys. Serbie.* Bulletin de la Société des Mathématiciens et Physiciens de la R. P. de Serbie. Vestnik Društva Matematičara i Fizičara Narodne Republike Srbije. (Belgrade)
- Bull. Soc. Roy. Sci. Liège.* Bulletin de la Société Royale des Sciences de Liège. (Liège)
- Bull. Soc. Sci. Lettres Lódz.* Bulletin de la Société des Sciences et des Lettres de Lódz. (Lódz)
- Bull. Tech. Univ. İstanbul.* (İstanbul) See *İstanbul Tek. Univ. Bul.*
- Bull. Tokyo Gakugei Univ.* Bulletin of Tokyo Gakugei University. (Tokyo)
- Bull. Trimest. Inst. Actuaires Franç.* Bulletin Trimestriel de l'Institut des Actuaires Français. (Paris)
- Bull. Univ. Osaka Prefecture Ser. A.* Bulletin of University of Osaka Prefecture. Series A. Engineering and Natural Sciences. (Osaka)

ABBREVIATIONS OF NAMES OF JOURNALS

<i>Bull. Utsunomiya Univ.</i> Bulletin of Utsunomiya University. (Utsunomiya)	<i>Comput. Rev.</i> Computing Reviews. (New York) (Usually abbreviated <i>CR</i> in the text of <i>Math. Reviews</i>)
<i>C. R. Acad. Bulgare Sci.</i> Doklady Bolgarskoj Akademii Nauk. Comptes Rendus de l'Académie Bulgare des Sciences. (Sofia)	<i>Confer. Sem. Mat. Univ. Bari.</i> Conference del Seminario di Matematica dell'Università di Bari. (Bari)
<i>C. R. Acad. Sci. Paris.</i> Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences. (Paris)	<i>CR.</i> Computing Reviews. (New York)
<i>Cahiers Centre Études Rech. Opér.</i> Cahiers du Centre d'Études de Recherche Opérationnelle. (Brussels)	<i>Cybernetica.</i> Cybernetica. (Namur)
<i>Cahiers Centre Math. Statist. Appl. Sci. Social.</i> Cahiers du Centre de Mathématique et de Statistique Appliquées aux Sciences Sociales de l'Institut de Sociologie Solvay. (Brussels)	<i>Czechoslovak J. Phys.</i> Čehoslovackaja Akademija Nauk. Čehoslovackij Fizikal'nyj Zurnal. Czechoslovak Academy of Sciences. Czechoslovak Journal of Physics. (Prague)
<i>Cahiers de Phys.</i> Cahiers de Physique. (Paris)	<i>Czechoslovak Math. J.</i> Čehoslovackaja Akademija Nauk. Čehoslovackij Matematicheskij Zurnal. Czechoslovak Mathematical Journal. (Prague)
<i>Cahiers Rhodan.</i> Cahiers Rhodaniens. (Lyon)	<i>Deutsche Geodät. Kommiss. Bayer. Akad. Wiss. Reihe B Angew. Geodäsie.</i> Deutsche Geodätische Kommission bei der Bayerischen Akademie der Wissenschaften. Reihe B. Angewandte Geodäsie. (Munich)
<i>Calc. Automat. y Cibernet.</i> Calculo Automatico y Cibernetica. (Madrid)	<i>Dialectica.</i> Dialectica. (Neuchâtel)
<i>Calcutta Statist. Assoc. Bull.</i> Calcutta Statistical Association Bulletin. (Calcutta)	<i>Discussions Faraday Soc.</i> Discussions of the Faraday Society. (London)
<i>Canad. J. Math.</i> Canadian Journal of Mathematics. Journal Canadien de Mathématiques. (Toronto)	<i>Dokl. Akad. Nauk BSSR.</i> Doklady Akademii Nauk BSSR. (Minsk)
<i>Canad. J. Phys.</i> Canadian Journal of Physics. (Ottawa)	<i>Dokl. Akad. Nauk SSSR.</i> Doklady Akademii Nauk SSSR. (Moscow) (Mathematics section translated as: <i>Soviet Math. Dokl.</i> ; Physics section translated as: <i>Soviet Physics Dokl.</i>)
<i>Canad. Math. Bull.</i> Canadian Mathematical Bulletin. Bulletin Canadien de Mathématiques. (Toronto)	<i>Dokl. Akad. Nauk Tadžik. SSR.</i> Doklady Akademii Nauk Tadžikskoj SSR. (Dushanbe)
<i>Časopis Přst. Mat.</i> Československá Akademie Věd. Časopis pro Přstování Matematiky. (Prague)	<i>Dopovidí Akad. Nauk Ukrains. RSR.</i> Dopovidí Akademii Nauk Ukrains'koj Radjansk'koj Socialističnoj Respubliky. (Kiev)
<i>Centaurus.</i> Centaurus. (Copenhagen)	<i>Duke Math. J.</i> Duke Mathematical Journal. (Durham, N.C.)
<i>Chalmers Tekn. Högsk. Handl.</i> Chalmers Tekniska Högakolans Handlanger. Transactions of Chalmers University of Technology, Gothenburg, Sweden. (Gothenburg)	<i>Econ. Proc. Roy. Dublin Soc.</i> The Economic Proceedings of the Royal Dublin Society. (Dublin) (Continued as: <i>Sci. Proc. Roy. Dublin Soc. Ser. B</i>)
<i>Chiffres.</i> Chiffres. Revue de l'Association Française de Calcul. (Grenoble) (Continued as: <i>Rev. Franç. Traitement Information Chiffres</i>)	<i>Econometrica.</i> Econometrica. Journal of the Econometric Society. (Chicago, Ill.)
<i>Chinese Math.</i> Chinese Mathematics. Translation of <i>Acta Mathematica Sinica</i> . (Providence, R.I.) (Translation of <i>Acta Math. Sinica</i>)	<i>Edinburgh Math. Notes.</i> The Edinburgh Mathematical Notes. (Edinburgh) (Continued as: <i>Proc. Edinburgh Math. Soc. Edinburgh Math. Notes</i>)
<i>Ciência (Lisboa).</i> Ciência. Revista da Associação de Estudantes da Faculdade de Ciências de Lisboa. (Lisbon)	<i>Eesti NSV Tead. Akad. Toimetised Füüs.-Mat. Tehn. Seer.</i> Eesti NSV Teaduste Akadeemia Toimetised. Füüsikal-Matematiiliste ja Tehniliste Teaduste Seeria. Izvestija Akademii Nauk Estonijskoj SSR. Serija Fiziko-Matematičeskikh i Tehničeskikh Nauk. (Tallin)
<i>Civiltà della Macchine.</i> Civiltà delle Macchine. (Rome)	<i>Elektron. Datenverarbeitung.</i> Elektronische Datenverarbeitung. Fachberichte über programmgesteuerte Maschinen und ihre Anwendung. (Braunschweig)
<i>Collect. Math.</i> Consejo Superior de Investigaciones Científicas. Universidad de Barcelona. Collectanea Mathematica. (Barcelona)	<i>Elem. Math.</i> Elemente der Mathematik. Revue de Mathématiques Élémentaires. Rivista di Matematica Elementare. (Basel)
<i>Colloq. Math.</i> Colloquium Mathematicum. (Warsaw)	<i>English Abstracts Selected Articles Soviet Bloc and Mainland China Tech. J. Ser. I.</i> English Abstracts of Selected Articles from Soviet Bloc and Mainland China Technical Journals. Series I—Physics and Mathematics. (Washington, D.C.)
<i>Com. Acad. R. P. Romine.</i> Comunicările Academiei Republicii Populare Romîne. (Bucharest)	<i>Enseignement Math.</i> L'Enseignement Mathématique. (Genève)
<i>Comm. ACM.</i> Communications of the Association for Computing Machinery. (New York)	<i>Ericsson Technics.</i> Ericsson Technics. (Stockholm)
<i>Comm. and Electronics.</i> Communication and Electronics. (New York)	<i>Estadist. Española.</i> Estadística Española. (Madrid)
<i>Comm. Dublin Inst. Adv. Studies Ser. A.</i> Communications of the Dublin Institute for Advanced Studies. Series A. (Dublin)	<i>Estadística.</i> Estadística. (Washington, D.C.)
<i>Comm. Fac. Sci. Univ. Ankara Sér. A.</i> Communications de la Faculté des Sciences de l'Université d'Ankara. Série A. Mathématiques Physique-Astronomie. (Ankara)	<i>Euclides (Groningen).</i> Euclides. Tijdschrift voor de Didactiek der Exacte Vakken. (Groningen)
<i>Comm. Pure Appl. Math.</i> Communications on Pure and Applied Mathematics. (New York)	<i>Euclides (Madrid).</i> Euclides. Revista Mensual de Ciencias Exactas, Físicas, Químicas, Naturales y Aplicaciones Técnicas. (Madrid)
<i>Comment. Math. Helv.</i> Commentarii Mathematici Helvetici. (Zürich)	<i>Fac. Ingen. Agrimens. Montevideo Publ. Didact. Inst. Mat. Estadist.</i> Facultad de Ingeniería y Agrimensura. Montevideo. Publicaciones Didácticas del Instituto de Matemática y Estadística. (Montevideo)
<i>Comment. Math. Univ. Carolinas.</i> Commentationes Mathematicae Universitatis Carolinae. (Prague)	
<i>Comment. Math. Univ. St. Paul.</i> Commentarii Mathematici Universitatis Sancti Pauli. Rikkyō Daigaku Sūgaku Zasshi. (Tokyo)	
<i>Compositio Math.</i> Compositio Mathematica. (Groningen)	
<i>Comput. Bull.</i> The Computer Bulletin. (London)	
<i>Comput. J.</i> The Computer Journal. (London)	

ABBREVIATIONS OF NAMES OF JOURNALS

- Fac. Ingen. Montevideo Publ. Inst. Mat. Estadist.* Facultad de Ingeniería Montevideo. Publicaciones del Instituto de Matemática y Estadística. (Montevideo) (Continued as: *Univ. Repub. Fac. Ingen. Agrimens. Montevideo Publ. Inst. Mat. Estadist.*)
- Fac. Philos. Univ. Skopje Sect. Sci. Nat. Annuaire.* Filozofaki Fakultet na Universitetot-Skopje. Prirodno-Matematički Oddel. Faculté de Philosophie de l'Université de Skopje. Section des Sciences Naturelles. Annuaire. (Skopje) (Continued as: *Fac. Sci. Univ. Skopje Annuaire*)
- Fac. Sci. Univ. Skopje Annuaire.* Faculté des Sciences de l'Université de Skopje. Annuaire. (Skopje) (Formerly: *Fac. Philos. Univ. Skopje Sect. Sci. Nat. Annuaire*)
- Fibonacci Quart.* The Fibonacci Quarterly. Official Organ of The Fibonacci Association. A journal devoted to the study of integers with special properties. (St. Mary's College, Calif.)
- Fiz.-Mat. Spis. Bölgar. Akad. Nauk.* Bulgarska Akademija na Naukite Fizičeski Institut. Matematičeski Institut. Fiziko-Matematičesko Spisanie. (Sofia)
- Fiz. Teerd. Tela.* Fizika Tverdogo Tela. (Moscow-Leningrad) (Translated as: *Soviet Physics Solid State*)
- Forsch. Gebiete Ingenieurwesens.* Forschung auf dem Gebiete des Ingenieurwesens. (Berlin)
- Fortschr. Physik.* Fortschritte der Physik. (Berlin)
- Fund. Appl. Aspects Math.* Fundamental and Applied Aspects of Mathematics. (Monograph Series of the Research Institute of Applied Electricity). (Sapporo)
- Fund. Math.* Polska Akademia Nauk. Fundamenta Mathematicae. (Warsaw)
- Funkcial. Ekvac.* Fako de l'Funkcialaj Ekvacioj Japana Matematika Societo. Funkcialaj Ekvacioj. (Serio Internacia). (Kobe)
- Gac. Mat. (Madrid).* Gaceta Matemática. (Madrid)
- Ganita.* Ganita. (Lucknow)
- Gaz. Mat. Fiz. Ser. A.* Societatea de Științe Matematice și Fizice din R. P. R. Gazeta Matematică și Fizică. Publicație Pantră Studiu și Răspindirea Științelor Matematice și Fizice. Seria A. (Bucharest)
- Gaz. Mat. (Lisboa).* Gazeta de Matemática. (Lisbon)
- Genet. Res.* Genetical Research. (New York)
- Génie Civil.* Génie Civil. (Paris)
- Geodact. Inst. Medd.* Geodætisk Institut. Meddelelser. (Copenhagen)
- Geofys. Publ. Norske Vid.-Akad. Oslo.* Geofysiske Publikasjoner Utgitt av det Norske Videnskaps-Akademien i Oslo. (Oslo)
- Giorn. Ist. Ital. Attuari.* Giornale dell'Istituto Italiano degli Attuari. (Rome)
- Giorn. Mat. Battaglini.* Giornale di Matematiche di Battaglini. (Naples)
- Giorn. Mat. Finanz.* Giornale di Matematica Finanziaria. Rivista Tecnica da Credito e della Previdenza. (Rome)
- Glas Srpske Akad. Nauka Od. Prirod.-Mat. Nauka.* Glas Srpske Akademije Nauka. Odjeljenje Prirodno-Matematičkih Nauka. (Belgrade) (Continued as: *Acad. Serbe Sci. Arts Glas Cl. Sci. Math. Nat.*)
- Glasnik Mat.-Fiz. Astronom. Društvo Mat. Fiz. Hrvatske Ser. II.* Glasnik Matematičko-Fizički i Astronomski. Periodicum Mathematico-Physicum et Astronomicum. Serija II. Društvo Matematičara i Fizičara Hrvatske. Societas Mathematicorum et Physicorum Croatiae. (Zagreb)
- Godišnjik Sof. Univ. Fiz.-Mat. Fakultet Kniga 1 Mat.* (Sofia) See *Annuaire Univ. Sofia Fac. Sci. Phys. Math. Livre 1 Math.*
- Gruzin. Politehn. Inst. Trudy.* Gruzinskij Politehničeskij Institut im. V. I. Lenina. Trudy. (Tiflis)
- Helv. Phys. Acta.* Helvetica Physica Acta. Societas Physicae Helveticae Commentaria Publica. (Basel)
- Hochfrequenztech. Elektroakust.* Hochfrequenztechnik und Elektroakustik. (Leipzig)
- Houille Blanche.* La Houille Blanche. Revue de l'Ingénieur Hydroaélicien. (Grenoble)
- IBM J. Res. Develop.* IBM Journal of Research and Development. (New York)
- Icarus.* Icarus. International Journal of the Solar System. (New York)
- ICC Bull.* ICC Bulletin. (Rome)
- IEEE Trans. Antennas and Propagation.* IEEE Transactions on Antennas and Propagation. (New York) (Formerly: *IRE Trans.*)
- IEEE Trans. Automatic Control.* IEEE Transactions on Automatic Control. (New York) (Formerly: *IRE Trans.*)
- IEEE Trans. Circuit Theory.* IEEE Transactions on Circuit Theory. (New York) (Formerly: *IRE Trans.*)
- IEEE Trans. Communication Systems.* IEEE Transactions on Communication Systems. (New York) (Formerly: *IRE Trans.*)
- IEEE Trans. Education.* IEEE Transactions on Education. (New York) (Formerly: *IRE Trans.*)
- IEEE Trans. Electronic Computers.* IEEE Transactions on Electronic Computers. (New York) (Formerly: *IRE Trans.*)
- IEEE Trans. Information Theory.* IEEE Transactions on Information Theory. (New York) (Formerly: *IRE Trans.*)
- IEEE Trans. Nuclear Science.* IEEE Transactions on Nuclear Science. (New York) (Formerly: *IRE Trans.*)
- IEEE Trans. Reliability.* IEEE Transactions on Reliability. (New York) (Formerly: *IRE Trans.*)
- IEEE Trans. Space Electronics and Telemetry.* IEEE Transactions on Space Electronics and Telemetry. (New York) (Formerly: *IRE Trans.*)
- Illinois J. Math.* Illinois Journal of Mathematics. (Urbana, Ill.)
- Indag. Math.* (Amsterdam) See *Nederl. Akad. Wetensch. Indag. Math.*
- Indian J. Math.* Indian Journal of Mathematics. (Allahabad)
- Indian J. Phys.* Indian Journal of Physics and Proceedings of the Indian Association for the Cultivation of Science. (Calcutta)
- Indian J. Theoret. Phys.* Indian Journal of Theoretical Physics. (Calcutta)
- Indust. Math.* Industrial Mathematics. (Detroit, Mich.)
- Information and Control.* Information and Control. (New York)
- Information Storage and Retrieval.* Information Storage and Retrieval. (Oxford-New York)
- Ing.-Arch.* Ingenieur-Archiv. (Berlin-Göttingen-Heidelberg)
- Inst. Hautes Études Sci. Publ. Math.* Institut des Hautes Études Scientifiques. Publications Mathématiques. (Paris)
- Inst. Politehn. Cluj Lucrările Ști.* Ministerul Învățământului și Culturii Institutul Politehnic Cluj. Lucrările Științifice. (Cluj) (Continued as: *Bul. Ști. Inst. Politehn. Cluj*)
- Internat. Abstracts Operations Res.* International Abstracts in Operations Research. (Baltimore, Md.)
- Internat. J. Abstracts Statist. Theory Method.* International Journal of Abstracts. Statistical Theory and Method. (London)
- Internat. J. Mech. Sci.* International Journal of Mechanical Sciences. (Oxford)

ABBREVIATIONS OF NAMES OF JOURNALS

- | | |
|--|--|
| <p><i>Internat. Math. Nachr.</i> Internationale Mathematische Nachrichten. (Vienna)</p> <p><i>Internat. Sci. and Tech.</i> International Science and Technology. (New York)</p> <p><i>Inf.-Stroitel. Inst. Kuibyshev. Sb. Trudov.</i> Moskovskij Ordena Trudovogo Krasnogo Znameni. Inzhenerno-Stroitel'nyi Institut im. V. V. Kuibysjeva. Sbornik Trudov. (Moscow)</p> <p><i>Inf. Ž. Inženernyi Žurnal.</i> Organ Otdelenija Tehničeskikh Nauk i Instituta Mekhaniki Akademii Nauk SSSR. (Moscow)</p> <p><i>IRE Trans.</i> IRE Transactions. (New York) (Continued as: <i>IEEE Trans.</i>)</p> <p><i>Izis.</i> Isis. An International Review Devoted to the History of Science and Civilization. (Cambridge, Mass.)</p> <p><i>Ist. Lombardo Accad. Sci. Lett. Rend. A.</i> Istituto Lombardo. Accademia di Scienze e Lettere. Rendiconti. Scienze Matematiche, Fisiche, Chimiche e Geologiche. A. (Milan)</p> <p><i>Ist. Lombardo Sci. Lett. Rend. Parte Gen. e Atti Uff.</i> Istituto Lombardo di Scienze e Lettere. Rendiconti. Parte Generale e Atti Ufficiali. (Milan)</p> <p><i>Ist. Veneto Sci. Lett. Atti Cl. Sci. Mat. Nat.</i> Istituto Veneto de Scienze, Lettere ed Arti. Venezia. Atti. Classe de Scienze Matematiche e Naturali. (Venice)</p> <p><i>İstanbul Tek. Univ. Büл.</i> İstanbul Teknik Üniveritesi Bütleni. Bulletin of the Technical University of İstanbul. (İstanbul) (Formerly: <i>Bull. Tech. Univ. İstanbul</i>)</p> <p><i>İstanbul Univ. Fen Fak. Mec. Ser. A.</i> İstanbul Üniversitesi Fen Fakültesi Mecmuası. Seri A: Sırfi ve Tatbiki Matematik. Revue de la Faculté des Sciences de l'Université d'Istanbul. Série A: Mathématiques Pures et Appliquées. (İstanbul) (Formerly: <i>Rev. Fac. Sci. Univ. İstanbul Sér. A</i>)</p> <p><i>İstanbul Univ. Fen Fak. Mec. Ser. C.</i> İstanbul Üniversitesi Fen Fakültesi Mecmuası. Seri C: Astronomi-Fizik-Kimya. Revue de la Faculté des Sciences de l'Université d'Istanbul. Série C: Astronomie-Physique-Chimie. (İstanbul) (Formerly: <i>Rev. Fac. Sci. Univ. İstanbul Sér. C</i>)</p> <p><i>Istor.-Astronom. Issled.</i> Istoriko-Astronomičeskie Issledovaniya. (Moscow)</p> <p><i>Istor.-Mat. Issled.</i> Istoriko-Matematičeskie Issledovaniya. (Moscow-Leningrad)</p> <p><i>Izv. Akad. Nauk Armjan. SSR Ser. Fiz.-Mat. Nauk.</i> Izvestija Akademii Nauk Armjanakoi SSR. Serija Fiziko-Matematičeskikh Nauk. (Erevan)</p> <p><i>Izv. Akad. Nauk Armjan. SSR Ser. Tehn. Nauk.</i> Izvestija Akademii Nauk Armjanakoi SSR. Serija Tehničeskikh Nauk. (Erevan)</p> <p><i>Izv. Akad. Nauk Azerbaidjan. SSR Ser. Fiz.-Mat. Tehn. Nauk.</i> Izvestija Akademii Nauk Azerbaidzanskoi SSR. Serija Fiziko-Matematičeskikh i Tehničeskikh Nauk. (Baku)</p> <p><i>Izv. Akad. Nauk SSSR Ser. Fiz.</i> Izvestija Akademii Nauk SSSR. Serija Fizika. (Moscow)</p> <p><i>Izv. Akad. Nauk SSSR Ser. Geofiz.</i> Izvestija Akademii Nauk SSSR. Serija Geofizičeskaja. (Moscow) (Translated as: <i>Bull. (Izv.) Acad. Sci. USSR Geophys. Ser.</i>)</p> <p><i>Izv. Akad. Nauk SSSR Ser. Mat.</i> Izvestija Akademii Nauk SSSR. Serija Matematičeskaja. (Moscow)</p> <p><i>Izv. Akad. Nauk Turkmen. SSR Ser. Fiz.-Tehn. Him. Geol. Nauk.</i> Izvestija Akademii Nauk Turkmeneskoi SSR. Serija Fiziko-Tehničeskikh, Himičeskikh i Geologičeskikh Nauk. (Ashkhabad)</p> <p><i>Izv. Akad. Nauk UzSSR Ser. Fiz.-Mat. Nauk.</i> Izvestija Akademii Nauk UzSSR. Serija Fiziko-Matematičeskikh Nauk. UzSSR Fanlar Akademiasining Ahboroti. Fizika-Matematika Fanlari Serijasi. (Tashkent)</p> <p><i>Izv. Bălgar. Akad. Nauk. Otd. Fiz.-Mat. Tehn. Nauk. Ser. Fiz.</i> Izvestija na Bălgarskata Akademija na Naukite. Otdelenie za Fiziko-Matematičeski i Tehničeski Nauki. Serija Fizičeska. (Sofia)</p> | <p><i>Izv. Kazan. Fil. Akad. Nauk SSSR Ser. Fiz.-Mat. i Tehn. Nauk.</i> Izvestija Kazanskogo Filiala Akademii Nauk SSSR. Serija Fiziko-Matematičeskikh i Tehničeskikh Nauk. (Kazan)</p> <p><i>Izv. Krymsk. Ped. Inst.</i> Izvestija Krymskogo Pedagogičeskogo Instituta im. M. V. Frunze. (Simferopol)</p> <p><i>Izv. Vyš. Učebn. Zaved. Matematika.</i> Ministerstvo Vysšego Obrazovanija SSSR. Izvestija Vyših Učebnyh Zavedenij. Matematika. (Kazan)</p> <p><i>J. Acoust. Soc. Amer.</i> The Journal of the Acoustical Society of America. (New York)</p> <p><i>J. Aerospace Sci.</i> Journal of the Aerospace Sciences. (New York) (Continued as: <i>AIAA J.</i>)</p> <p><i>J. Amer. Statist. Assoc.</i> Journal of the American Statistical Association. (Washington, D.C.)</p> <p><i>J. Analyse Math.</i> Journal d'Analyse Mathématique. (Jerusalem)</p> <p><i>J. Annamalai Univ. Part B Sci.</i> Journal of the Annamalai University. Part B. Sciences. (Annamalainagar)</p> <p><i>J. Appl. Math. Mech.</i> Journal of Applied Mathematics and Mechanics. (Translation of the Soviet journal <i>Prikladnaja Matematika i Mehanička</i>). (New York) (Translation of <i>Prikl. Mat. Mekh.</i>)</p> <p><i>J. Appl. Mech.</i> Journal of Applied Mechanics. (New York) (Continued as: <i>Trans. ASME Ser. E. J. Appl. Mech.</i>)</p> <p><i>J. Appl. Phys.</i> Journal of Applied Physics. (New York)</p> <p><i>J. Assoc. Comput. Mach.</i> Journal of the Association for Computing Machinery. (New York)</p> <p><i>J. Austral. Math. Soc.</i> The Journal of the Australian Mathematical Society. (Sydney)</p> <p><i>J. Chem. Phys.</i> The Journal of Chemical Physics. (New York)</p> <p><i>J. College Arts Sci. Chiba Univ.</i> Journal of the College of Arts and Sciences, Chiba University. (Chiba)</p> <p><i>J. Electronics Control.</i> Journal of Electronics and Control. (London)</p> <p><i>J. Fac. Sci. Hokkaido Univ. Ser. I.</i> Journal of the Faculty of Science. Hokkaido University. Series I. Mathematics. (Sapporo)</p> <p><i>J. Fac. Sci. Niigata Univ. Ser. I.</i> Journal of the Faculty of Science. Niigata University. Series I. Mathematics, Physics and Chemistry. (Niigata)</p> <p><i>J. Fac. Sci. Univ. Tokyo Sect. I.</i> Journal of the Faculty of Science. University of Tokyo. Section I. Mathematics, Astronomy, Physics, Chemistry. (Tokyo)</p> <p><i>J. Fluid Mech.</i> Journal of Fluid Mechanics. (London)</p> <p><i>J. Franklin Inst.</i> Journal of the Franklin Institute. (Philadelphia, Pa.)</p> <p><i>J. Gakugei Tokushima Univ.</i> Journal of the Gakugei College. Tokushima University. (Natural Science). (Tokushima)</p> <p><i>J. Geophys. Res.</i> Journal of Geophysical Research. (Washington, D.C.)</p> <p><i>J. Indian Inst. Sci.</i> Journal of the Indian Institute of Science. (Bangalore)</p> <p><i>J. Indian Math. Soc.</i> The Journal of the Indian Mathematical Society. (Madras)</p> <p><i>J. Indian Soc. Agric. Statist.</i> Journal of the Indian Society of Agricultural Statistics. (New Delhi)</p> <p><i>J. Inst. Actuar.</i> Journal of the Institute of Actuaries. (London)</p> <p><i>J. Inst. Polytech. Osaka City Univ. Ser. A.</i> Journal of the Institute of Polytechnics. Osaka City University. Series A. Mathematics. (Osaka) (Continued as: <i>J. Math. Osaka City Univ.</i>)</p> <p><i>J. Karnatak Univ.</i> Journal of the Karnatak University. (Dharwar)</p> <p><i>J. London Math. Soc.</i> The Journal of the London Mathematical Society. (London)</p> |
|--|--|

ABBREVIATIONS OF NAMES OF JOURNALS

- J. Madras Univ. Sect. B.* Journal of the Madras University. Section B. (Madras)
- J. Math. Anal. Appl.* Journal of Mathematical Analysis and Applications. (New York)
- J. Math. and Phys.* Journal of Mathematics and Physics. (Cambridge, Mass.)
- J. Math. Kyoto Univ.* Journal of Mathematics of Kyoto University. (Kyoto) (Formerly: *Mem. Coll. Sci. Univ. Kyoto Ser. A*)
- J. Math. Mech.* Journal of Mathematics and Mechanics. (Bloomington, Ind.)
- J. Math. Osaka City Univ.* Journal of Mathematics. Osaka City University. (Osaka) (Formerly: *J. Inst. Polytech. Osaka City Univ. Ser. A*)
- J. Math. Pures Appl.* Journal de Mathématiques Pures et Appliquées. (Paris)
- J. Math. Soc. Japan.* Journal of the Mathematical Society of Japan. (Tokyo)
- J. Mathematical Phys.* Journal of Mathematical Physics. (New York)
- J. Méc. Phys. Atmos.* Journal de Mécanique et de Physique de l'Atmosphère. (Paris) (Formerly: *J. Sci. Météorol.*)
- J. Mécanique.* Journal de Mécanique. (Paris)
- J. Mech. Phys. Solids.* Journals of the Mechanics and Physics of Solids. (London)
- J. Nara Gakugei Univ.* The Journal of Nara Gakugei University. (Nara)
- J. Nat. Sci. and Math.* The Journal of Natural Sciences and Mathematics. (Lahore)
- J. Operations Res. Soc. Japan.* Journal of the Operations Research Society of Japan. (Tokyo)
- J. Opt. Soc. Amer.* Journal of the Optical Society of America. (New York)
- J. Osaka Inst. Sci. Tech. Part I.* Journal of the Osaka Institute of Science and Technology. (Kinki University). Part I. Mathematics and Physics. (Osaka)
- J. Phys. Soc. Japan.* Journal of the Physical Society of Japan. (Tokyo)
- J. Proc. Roy. Soc. New South Wales.* Journal and Proceedings of the Royal Society of New South Wales. (Sydney)
- J. Rech. Centre Nat. Rech. Sci.* Journal des Recherches du Centre National de la Recherche Scientifique. (Paris)
- J. Reine Angew. Math.* Journal für die reine und angewandte Mathematik. (Berlin)
- J. Res. Nat. Bur. Standards Sect. B.* Journal of Research of the National Bureau of Standards. B. Mathematics and Mathematical Physics. (Washington, D.C.)
- J. Res. Nat. Bur. Standards Sect. D.* Journal of Research of the National Bureau of Standards. D. Radio Propagation. (Washington, D.C.)
- J. Roy. Aero. Soc.* The Journal of the Royal Aeronautical Society. (London)
- J. Roy. Astronom. Soc. Canada.* The Journal of the Royal Astronomical Society of Canada. (Toronto)
- J. Roy. Statist. Soc. Ser. A.* Journal of the Royal Statistical Society. Series A. (General). (London)
- J. Roy. Statist. Soc. Ser. B.* Journal of the Royal Statistical Society. Series B. (Methodological). (London)
- J. Sci. Engrg. Res.* Journal of Science and Engineering Research. (Kharagpur)
- J. Sci. Hiroshima Univ. Ser. A.* Journal of Science of the Hiroshima University. Series A (Mathematics, Physics, Chemistry). (Hiroshima) (Continued as: *J. Sci. Hiroshima Univ. Ser. A-I Math.*)
- J. Sci. Hiroshima Univ. Ser. A-I Math.* Journal of Science of the Hiroshima University. Series A-I (Mathematics). (Hiroshima) (Formerly: *J. Sci. Hiroshima Univ. Ser. A*)
- J. Sci. Météorol.* Journal Scientifique de la Météorologie. (Paris) (Continued as: *J. Méc. Phys. Atmos.*)
- J. Sci. Res. Banaras Hindu Univ.* The Journal of Scientific Research of the Banaras Hindu University. (Banaras)
- J. Sci. Res. Inst. Tokyo.* Journal of the Scientific Research Institute. (Tokyo) (Continued as: *Sci. Papers Inst. Phys. Chem. Res.*)
- J. SIAM Control Ser. A.* Journal of the Society for Industrial and Applied Mathematics on Control. Series A. (Philadelphia, Pa.)
- J. Soc. Indust. Appl. Math.* Journal of the Society for Industrial and Applied Mathematics. (Philadelphia, Pa.)
- J. Symbolic Logic.* The Journal of Symbolic Logic. (New Brunswick, N.J.)
- J. Univ. Bombay.* Journal of the University of Bombay. (Bombay)
- J. Washington Acad. Sci.* Journal of the Washington Academy of Sciences. (Washington, D.C.)
- J. Zosen Kiokai.* Journal of Zosen Kiokai. (Tokyo)
- Janus.* Janus. Revue Internationale de l'Historie des Sciences, de la Médecine, de la Pharmacie et de la Technique. (Leiden)
- Japan. J. Math.* Science Council of Japan. Japanese Journal of Mathematics. (Tokyo)
- Jber. Deutsch. Math.-Verein.* Jahresbericht der Deutschen Mathematiker-Vereinigung. (Stuttgart)
- Jugoslav. Akad. Znan. Umjet. Rasprave Odj. Mat. Fiz. Tehn. Nauka.* Jugoslavenska Akademija Znanosti i Umjetnosti. Rasprave Odjela za Matematičke, Fizičke i Tehničke Nauke. (Zagreb)
- Kišinev. Gos. Univ. Učen. Zap.* Komitet Vysšego i Srednego Special'nogo Obrazovanija Soveta Ministrov Moldavskoj SSR. Kišinevskij Gosudarstvennyj Universitet. Učenye Zapiski. (Kišinev)
- Kōdai Math. Sem. Rep.* Kōdai Mathematical Seminar Reports. (Tokyo)
- Köz. Mat. Lapok.* Középiskolai Matematikai Lapok. (Budapest)
- Kumamoto J. Sci. Ser. A.* Kumamoto Journal of Science. Series A. (Mathematics, Physics and Chemistry). (Kumamoto)
- Kungl. Fysiogr. Sällsk. i Lund Förh.* Kungl. Fysiografiska Sällskapets i Lund Förhandlingar. Proceedings of the Royal Physiographic Society at Lund. (Lund)
- Kungl. Fysiogr. Sällsk. i Lund Handl.* Acta Regiae Societatis Physiographicae Lundensis. Kungl. Fysiografiska Sällskapets i Lund Handlingar. (Lund) (Same as: *Lunds Univ. Årskr. Avd. 2*)
- Kungl. Svenska Vetenskapsakad. Handl.* Kungl. Svenska Vetenskapsakademien Handlingar. (Stockholm)
- Kungl. Tekn. Högsk. Handl. Stockholm.* Kungl. Tekniska Högskolans Handlingar. Transactions of the Royal Institute of Technology, Stockholm, Sweden. (Stockholm)
- Kybernetik.* Kybernetik. (Berlin)
- Kyungpook Math. J.* Kyungpook Mathematical Journal. (Taegu)
- Latvijas PSR Zinātņu Akad. Vēstis.* Latvijas PSR Zinātņu Akademijas Vēstis. Izvestija Akademii Nauk Latvijskoj SSR. (Riga)
- Latvijas Valsts Univ. Zināt. Raksti.* PSRS Augstākās Izglītības Ministrija. Pētēra Stučkas Latvijas Valsts Universitāte. Zinātņu Raksti. Ministerstvo Vysšego Obrazovanija. Latvijskij Gosudarstvennyj Universitet im. Petra Stučki. Učenye Zapiski. (Riga)

ABBREVIATIONS OF NAMES OF JOURNALS

- Leningrad. Gos. Univ. Učen. Zap. Ser. Mat. Nauk.* Leningradskij Gosudarstvennyj Ordona Lenina Universitet im. A. A. Ždanova. Učenye Zapiski. Serija Matematicheskikh Nauk. (Leningrad)
- Litovsk. Mat. Sb.* Vyskie Učebnye Zavedenija Litovskoj SSR. Litovskij Matematicheskij Sbornik. (Vilna)
- Logique et Analyse.* Logique et Analyse. (Louvain)
- Lucrăr. Ști. Inst. Ped. Timișoara Mat.-Fiz.* Ministerul Invățământului și Culturii. Lucrările Științifice ale Institutului Pedagogic Timișoara. Matematică-Fizica. (Timișoara)
- Lunds Univ. Årsskr. Aed. 2.* Acta Universitatis Lundensis. Lunds Universitets Årsakrift. Andra Avdohningen. (Lund) (Same as: *Kungl. Fysiogr. Sällsk. i Lund. Handl.*)
- L'vov. Politehn. Inst. Naučn. Zap. Ser. Fiz.-Mat.* MVO USSR. L'vovskij Politehnicheskij Institut. Naučnye Zapiski. Serija Fiziko-Matematicheskaja. (Lvov)
- Magyar Tud. Akad. Mat. Fiz. Oszt. Közl.* A Magyar Tudományos Akadémia Matematikai és Fizikai Tudományok Osztályának Közleményei. (Budapest)
- Magyar Tud. Akad. Mat. Kutató Int. Közl.* A Magyar Tudományos Akadémia Matematikai Kutató Intézetének Közleményei. (Budapest)
- Management Sci. Management Science.* Journal of the Institute of Management Science. (Philadelphia, Pa.)
- Mat.-Fys. Medd. Dansks Vid. Selsk.* Matematiskfysiske Meddelelser udgivet af Det Kongelige Danske Videnskabernes Selskab. (Copenhagen)
- Mat.-Fys. Skr. Dansks Vid. Selsk.* Matematiskfysiske Skrifter udgivet af Det Kongelige Danske Videnskabernes Selskab. (Copenhagen)
- Mat.-Fyz. Časopis Slovens. Akad. Vied.* Matematicko-Fyzikálny Časopis. Slovenská Akadémia Vied. (Bratislava)
- Mat. Lapok.* Matematikai Lapok. Bolyai János Matematikai Társulat. (Budapest)
- Mat. Sb.* Matematicheskij Sbornik. Novaja Serija. (Moscow)
- Matematiche (Catania).* Le Matematiche. (Catania)
- Math. Ann.* Mathematische Annalen. (Berlin-Göttingen-Heidelberg)
- Math. Centrum Amsterdam Afd. Toegepaste Wisk.* Mathematisch Centrum Amsterdam. Afd. Toegepaste Wiskunde. (Amsterdam)
- Math. Centrum Amsterdam Rap.* Mathematisch Centrum Amsterdam. Rapport. (Amsterdam)
- Math. Centrum Amsterdam Rekenafdeling.* Mathematisch Centrum Amsterdam. Rekenafdeling. (Amsterdam)
- Math. Comp.* Mathematics of Computation. (Washington, D.C.) (Formerly: *MTAC*)
- Math. Gaz.* The Mathematical Gazette. (London)
- Math. J. Okayama Univ.* Mathematical Journal of Okayama University. (Okayama)
- Math. Japon.* Mathematica Japonicae. (Kobe)
- Math. Mag.* Mathematics Magazine. (Buffalo, N.Y.)
- Math. Nachr.* Mathematische Nachrichten. (Berlin)
- Math. Naturwiss. Unterricht.* Der mathematische und naturwissenschaftliche Unterricht. (Bonn)
- Math. Notae.* Mathematicae Notae. Boletín del Instituto de Matemática. (Rosario)
- Math.-Phys. Semesterber.* Mathematisch-Physikalische Semesterberichte. (Göttingen)
- Math. Reviews.* Mathematical Reviews. (Providence, R.I.) (Usually abbreviated as *MR* in the text of *Math. Reviews*)
- Math. Scand.* Mathematica Scandinavica. (Copenhagen)
- Math. Student.* The Mathematics Student. (Madras)
- Math.-Tech.-Wirtschaft.* Mathematik-Technik-Wirtschaft. Zeitschrift für moderne Rechentechnik und Automation. (Vienna)
- Math. Z.* Mathematische Zeitschrift. (Berlin-Göttingen-Heidelberg)
- Mathematica (Cluj).* Societates de Științe Matematice și Fizice din R.P.R. Filiala Cluj. Mathematica. (Cluj)
- Mathematika.* Mathematica. A Journal of Pure and Applied Mathematics. (London)
- Mathesis.* Mathesis. Recueil Mathématique à l'Usage des Écoles Spéciales et des Établissements d'Instruction Moyenne. (Mons)
- Matrix Tensor Quart.* The Tensor Club of Great Britain. The Matrix and Tensor Quarterly. (London)
- Medd. Lunds Astronom. Obs. Ser. I.* Meddelande från Lunds Astronomiska Observatorium. Series I. (Lund)
- Medd. Lunds Astronom. Obs. Ser. II.* Meddelande från Lunds Astronomiska Observatorium. Series II. (Lund)
- Medd. Lunds Univ. Mat. Sem.* Meddelanden från Lunds Universitets Matematiska Seminarium. Communications du Séminaire Mathématique de l'Université de Lund. (Lund)
- Mem. Acad. Ci. Madrid.* Memorias de la Real Academia de Ciencias Exactas, Fisicas y Naturales de Madrid. Serie de Ciencias Exactas. (Madrid)
- Mem. Amer. Math. Soc.* Memoirs of the American Mathematical Society. (Providence, R.I.)
- Mem. Coll. Sci. Univ. Kyoto Ser. A.* Memoirs of the College of Science. University of Kyoto. Series A. (Kyoto) (Continued as: *J. Math. Kyoto Univ.*)
- Mem. Coll. Sci. Univ. Kyoto Ser. A Math.* Memoirs of the College of Science. University of Kyoto. Series A. Mathematics. (Kyoto)
- Mem. Defense Acad.* Memoirs of the Defense Academy (Mathematics, Physics, Chemistry and Engineering) (Yokosuka)
- Mem. Fac. Ed. Kumamoto Univ.* Memoirs of the Faculty of Education. Kumamoto University. (Kumamoto)
- Mem. Fac. Engrg. Hiroshima Univ.* Memoirs of the Faculty of Engineering. Hiroshima University. (Hiroshima)
- Mem. Fac. Engrg. Miyazaki Univ.* Memoirs of the Faculty of Engineering, Miyazaki University. (Miyazaki)
- Mem. Fac. Sci. Kyushu Univ. Ser. A.* Memoirs of the Faculty of Science. Kyushu University. Series A. Mathematics. (Fukuoka)
- Mem. Ist. Lombardo Accad. Sci. Lett. Cl. Sci. Mat. Nat.* Memorie dell'Istituto Lombardo. Accademia di Scienze e Lettere. Classe di Scienze Matematiche e Naturali. (Milan) (Formerly: *Mem. Ist. Lombardo Cl. Sci. Mat. Nat.*)
- Mem. Ist. Lombardo Cl. Sci. Mat. Nat.* Memorie dell'Istituto Lombardo di Scienze e Lettere. Classe di Scienze Matematiche e Naturali. (Milan) (Continued as: *Mem. Ist. Lombardo Accad. Sci. Lett. Cl. Sci. Mat. Nat.*)
- Mem. Mat. Inst. "Jorge Juan".* Consejo Superior de Investigaciones Científicas. Memorias de Matemática del Instituto "Jorge Juan". (Madrid)
- Mem. Osaka Univ. Lib. Arts Ed. Ser. B.* Memoirs of the Osaka University of the Liberal Arts and Education. Series B. Natural Science. (Osaka)
- Mem. Proc. Manchester Lit. Philos. Soc.* Memoirs and Proceedings of the Manchester Literary & Philosophical Society. (Manchester)
- Mem. Real Acad. Ci. Art. Barcelona.* Memorias de la Real Academia de Ciencias y Artes de Barcelona. (Barcelona)
- Mem. Roy. Astronom. Soc.* Memoirs of the Royal Astronomical Society. (London)
- Mem. School Sci. Engrg. Waseda Univ. Tokyo.* Memoirs of the School of Science and Engineering. Waseda University, Tokyo. (Tokyo)
- Mem. Soc. Astronom. Ital.* Memorie della Società Astronomica Italiana. (Milan)

ABBREVIATIONS OF NAMES OF JOURNALS

- Mém. Soc. Roy. Sci. Liège Coll. in-4°.* Mémoires de la Société Royale des Sciences de Liège. Collection in-4°. (Liège)
- Mém. Soc. Roy. Sci. Liège Coll. in-8°.* Mémoires de la Société Royale des Sciences de Liège. Collection in-8°. (Liège)
- Mémor. Sci. Math.* Mémorial des Sciences Mathématiques. (Paris)
- Mémor. Sci. Phys.* Mémorial des Sciences Physiques. (Paris)
- Météorol.* La Météorologie. (Paris) (Formerly listed as: *La Météorol.*)
- Metrika.* Metrika. (Würzburg)
- Metroecon.* Metroeconomica. Rivista Internazionale di Economica. (Bologna)
- Metron.* Metron. (Rome)
- Michigan Math. J.* The Michigan Mathematical Journal. (Ann Arbor, Mich.)
- Min. Proc. Roy. Irish Acad.* Minutes of Proceedings. Royal Irish Academy. (Dublin)
- Mind.* Mind. A Quarterly Review of Psychology and Philosophy. (London)
- Mitt. Inst. Angew. Math. Zürich.* Mitteilungen aus dem Institut für angewandte Mathematik an der Eidgenössischen Technischen Hochschule in Zürich. (Zürich)
- Mitt. Inst. Theoret. Phys. Geophys. Bergakad. Freiberg.* Mitteilungen aus dem Institut für Theoretische Physik und Geophysik der Bergakademie Freiberg. (Freiberg)
- Mitt. Math. Ges. Hamburg.* Mitteilungen der mathematischen Gesellschaft in Hamburg. (Hamburg)
- Mitt. Math. Sem. Univ. Giessen.* Mitteilungen des Mathematischen Seminars der Universität Giessen. (Giessen)
- Mitt. Max-Planck-Inst. Strömungsforsch.* Mitteilungen aus dem Max-Planck-Institut für Strömungsforschung. (Göttingen)
- Mitt. Naturforsch. Ges. Bern.* Mitteilungen der Naturforschenden Gesellschaft Bern. (Bern)
- Mitt. Verein. Schweiz. Versich.-Math.* Mitteilungen der Vereinigung Schweizerischer Versicherungsmathematiker. Bulletin de l'Association des Actuaires Suisses. (Bern)
- Molecular Phys.* Molecular Physics. (London)
- Monatsh. Deutsch. Akad. Wiss. Berlin.* Monatsberichte der Deutschen Akademie der Wissenschaften zu Berlin. (Berlin)
- Monatsh. Math.* Monatshefte für Mathematik. (Vienna)
- Monthly Notices Roy. Astronom. Soc.* Monthly Notices of the Royal Astronomical Society. (London)
- Moskov. Gos. Univ. Soobshch. Gos. Astronom. Inst. Sternberg.* Moskovskii Gosudarstvennyi Universitet im. M. V. Lomonosova. Soobshchenija Gosudarstvennogo Astronomicheskogo Instituta im. P. K. Sternberga. (Moscow)
- Moskov. Gos. Univ. Trudy Gos. Astronom. Inst. Sternberg.* Moskovskii Gosudarstvennyi Universitet im. M. V. Lomonosova. Trudy Gosudarstvennogo Astronomicheskogo Instituta im. P. K. Sternberga. (Moscow)
- Moskov. Oblast. Ped. Inst. Učen. Zap.* Moskovskii Oblastnoi Pedagogicheskii Institut. Učenye Zapiski. (Moscow)
- MR.* Mathematical Reviews. (Providence, R.I.)
- MTAC.* Mathematical Tables and Other Aids to Computation. (Washington, D.C.) (Continued as: *Math. Comp.*)
- Nachr. Akad. Wiss. Göttingen Math.-Phys. Kl. II.* Nachrichten der Akademie der Wissenschaften in Göttingen. II. Mathematisch-Physikalische Klasse. (Göttingen)
- Nagoya Math. J.* Nagoya Mathematical Journal. (Nagoya)
- Nat. Bur. Standards Appl. Math. Ser.* National Bureau of Standards. Applied Mathematics Series. (Washington, D.C.)
- Nat. Luchtvaartlab. Amsterdam Rep.* National Luchtvaartlaboratorium. National Aeronautical Research Institute, Amsterdam. Report. (Amsterdam)
- Nat. Sci. Rep. Lib. Arts Sci. Fac. Shizuoka Univ.* Natural Science Reports of Liberal Arts and Science Faculty. Shizuoka University. (Shizuoka) (Continued as: *Rep. Lib. Arts Sci. Fac. Shizuoka Univ. Sect. Nat. Sci.*)
- Nat. Sci. Rep. Ochanomizu Univ.* Natural Science Report of the Ochanomizu University. (Tokyo)
- Nature.* Nature. (London)
- Naturwissenschaften.* Die Naturwissenschaften. (Berlin-Göttingen-Heidelberg)
- Naval Res. Logist. Quart.* Naval Research Logistics Quarterly. (Washington, D.C.)
- Navigation.* Navigation. Journal of the Institute of Navigation. (Los Angeles, Calif.)
- Nederl. Akad. Wetensch. Indag. Math.* Koninklijke Nederlandse Akademie van Wetenschappen. Indagationes Mathematicae ex Actis Quibus Titulus. Proceedings of the Section of Sciences. (Amsterdam) (Same as: *Nederl. Akad. Wetensch. Proc. Ser. A*)
- Nederl. Akad. Wetensch. Proc. Ser. A.* Koninklijke Nederlandse Akademie van Wetenschappen. Proceedings. Series A. Mathematical Sciences. (Amsterdam) (Same as: *Nederl. Akad. Wetensch. Indag. Math.*)
- Nederl. Akad. Wetensch. Proc. Ser. B.* Koninklijke Nederlandse Akademie van Wetenschappen. Proceedings. Series B. Physical Sciences. (Amsterdam)
- Nederl. Akad. Wetensch. Verslag Afd. Natuurk.* Koninklijke Nederlandse Akademie van Wetenschappen. Verslag van de Gewone Vergadering van de Afdeeling Natuurkunde. (Amsterdam) (Formerly: *Nederl. Akad. Wetensch. Verslagen Afd. Natuurk.*)
- Nederl. Akad. Wetensch. Verslagen Afd. Natuurk.* Koninklijke Nederlandse Akademie van Wetenschappen. Verslagen van de Gewone Vergaderingen der Afdeeling Natuurkunde. (Amsterdam) (Continued as: *Nederl. Akad. Wetensch. Verslag Afd. Natuurk.*)
- Nederl. Tijdschr. Natuurk.* Nederlands Tijdschrift voor Natuurkunde. (Utrecht)
- New Zealand J. Sci.* New Zealand Journal of Science. (Wellington) (Formerly: *New Zealand J. Sci. Tech. Sect. B*)
- New Zealand J. Sci. Tech. Sect. B.* New Zealand Journal of Science and Technology. B. General Research Section. (Wellington) (Continued as: *New Zealand J. Sci.*)
- Nieuw Arch. Wisk.* Nieuw Archief voor Wiskunde. (Groningen)
- Nieuw Tijdschr. Wisk.* Nieuw Tijdschrift voor Wiskunde. (Groningen-Djakarta)
- Nordisk Mat. Tidsskr.* Nordisk Matematisk Tidsskrift. (Oslo)
- Norske Vid. Selsk. Forh. (Trondheim).* Det Kongelige Norske Videnskabers Selskabs Forhandlinger. (Trondheim)
- Norske Vid. Selsk. Skr. (Trondheim).* Det Kongelige Norske Videnskabers Selskabs Skrifter. (Trondheim)
- Notas Mat.* Notas de Matemática. (Rio de Janeiro)
- Notre Dame J. Formal Logic.* Notre Dame Journal of Formal Logic. (Notre Dame, Ind.)
- Nova Acta Soc. Sci. Upsol.* Nova Acta Regiae Societatis Scientiarum Upsaliensis. (Uppsala)
- Nuclear Phys.* Nuclear Physics. (Amsterdam)
- Nuclear Sci. Abstracts.* Nuclear Science Abstracts. (Oak Ridge, Tenn.)
- Nucleus.* Nucleus. La Revue Scientifique à l'Âge Atomique. (Paris) (Formerly: *Rev. Sci.*)
- Numer. Math.* Numerische Mathematik. (Berlin-Göttingen-Heidelberg)

ABBREVIATIONS OF NAMES OF JOURNALS

<i>Nuovo Cimento.</i> Il Nuovo Cimento. (Bologna)	<i>Problemy Kibernet.</i> Problemy Kibernetiki. (Moscow)
<i>O.N.E.R.A. Publ.</i> Office National d'Études et de Recherches Aéronautiques. Publication. (Paris)	<i>Problemy Peredati Informacii.</i> Akademija Nauk SSSR. Laboratorijs Sistem Peredati Informacii. Problemy Peredati Informacii. (Moscow)
<i>Observatory.</i> The Observatory. A Review of Astronomy. (Hailsham)	<i>Proc. Amer. Math. Soc.</i> Proceedings of the American Mathematical Society. (Providence, R.I.)
<i>Onde Élec.</i> L'Onde Électrique. (Paris)	<i>Proc. Amer. Philos. Soc.</i> Proceedings of the American Philosophical Society Held at Philadelphia for Promoting Useful Knowledge. (Philadelphia, Pa.)
<i>Operations Res.</i> Operations Research. The Journal of the Operations Research Society of America. (Baltimore, Md.) (Sometimes abbreviated as <i>OR in Math. Reviews</i>)	<i>Proc. Cambridge Philos. Soc.</i> Proceedings of the Cambridge Philosophical Society. (Cambridge, England)
<i>Optica Acta.</i> Optica Acta. (London)	<i>Proc. Edinburgh Math. Soc.</i> Proceedings of the Edinburgh Mathematical Society. (Edinburgh)
<i>Optik.</i> Optik. Zeitschrift für das gesamte Gebiet der Licht- und Elektronenoptik. (Stuttgart)	<i>Proc. Edinburgh Math. Soc. Edinburgh Math. Notes.</i> Proceedings of the Edinburgh Mathematical Society. Edinburgh Mathematical Notes. (Edinburgh) (Formerly: <i>Edinburgh Math. Notes</i>)
<i>Optika i Spektrosk.</i> Akademija Nauk SSSR. Optika i Spektroskopija. (Moscow-Leningrad) (Translated as: <i>Optics and Spectrosc.</i>)	<i>Proc. Egyptian Acad. Sci.</i> Proceedings of the Egyptian Academy of Sciences. (Cairo)
<i>Osaka Math. J.</i> Osaka Mathematical Journal. (Osaka)	<i>Proc. Fac. Engrg. Keio Univ.</i> Proceedings of the Fujihara Memorial Faculty of Engineering. Keio University. (Tokyo)
<i>Österreich. Akad. Wiss. Math.-Natur. Kl. S.-B. II.</i> Österreichische Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Klasse. Sitzungsberichte. Abteilung II. Mathematik, Astronomie, Physik, Meteorologie und Technik. (Vienna)	<i>Proc. Glasgow Math. Assoc.</i> Proceedings of the Glasgow Mathematical Association. (Glasgow)
<i>Österreich. Ing.-Arch.</i> Österreichisches Ingenieur-Archiv. (Vienna)	<i>Proc. IEEE.</i> Proceedings of the IEEE. (New York) (Formerly: <i>Proc. IRE</i>)
<i>Österreich. Ing. Z.</i> Österreichische Ingenieur Zeitschrift. Zeitschrift des Österreichischen Ingenieur- und Architekten-Vereins. (Vienna)	<i>Proc. Indian Acad. Sci. Sect. A.</i> Proceedings of the Indian Academy of Sciences. Section A. (Bangalore)
<i>Pacific J. Math.</i> Pacific Journal of Mathematics. (Berkeley, Calif.)	<i>Proc. Indian Acad. Sci. Sect. B.</i> Proceedings of the Indian Academy of Sciences. Section B. (Bangalore)
<i>Period. Mat.</i> Periodico di Matematiche. (Bologna)	<i>Proc. Indiana Acad. Sci.</i> Proceedings of the Indiana Academy of Science. (Indianapolis, Ind.)
<i>Perm. Gos. Univ. Učen. Zap. Mat.</i> Ministerstvo Vysšego i Srednega Special'nogo Obrazovaniya RSFSR. Perm'kiil Gosudarstvennyj Universitet im. A. M. Gorkogo. Učenye Zapiski. Matematika. (Perm)	<i>Proc. Inst. Elec. Engrs. A.</i> The Proceedings of the Institution of Electrical Engineers. Part A. Power Engineering. (London)
<i>Philos. Mag.</i> The Philosophical Magazine. A Journal of Theoretical, Experimental and Applied Science. (London)	<i>Proc. Inst. Elec. Engrs. B.</i> The Proceedings of the Institution of Electrical Engineers. Part B. Radio and Electronic Engineering (including Communication Engineering). (London)
<i>Philos. Rev.</i> The Philosophical Review. (Ithaca, N.Y.)	<i>Proc. Inst. Elec. Engrs. C.</i> The Proceedings of the Institution of Electrical Engineers. Part C. Monographs. (London)
<i>Philos. Sci.</i> Philosophy of Science. (Baltimore, Md.)	<i>Proc. Inst. Mech. Engrs.</i> Proceedings of the Institution of Mechanical Engineers. (London)
<i>Philos. Trans. Roy. Soc. London Ser. A.</i> Philosophical Transactions of the Royal Society of London. Series A. Mathematical and Physical Sciences. (London)	<i>Proc. Inst. Statist. Math.</i> The Proceedings of the Institute of Statistical Mathematics. (Tokyo)
<i>Phys. Fluids.</i> The Physics of Fluids. (New York)	<i>Proc. Iowa Acad. Sci.</i> Proceedings of the Iowa Academy of Science. (Des Moines, Iowa)
<i>Phys. Lett.</i> Physics Letters. (Amsterdam)	<i>Proc. Iraqi Sci. Soc.</i> Proceedings of the Iraqi Scientific Societies. (Baghdad)
<i>Phys. Norveg.</i> Physica Norvegica. (Oslo)	<i>Proc. IRE.</i> Proceedings of the IRE. A Journal of Communications and Electronic Engineering. (New York) (Continued as: <i>Proc. IEEE</i>)
<i>Phys. Rev.</i> The Physical Review. (New York)	<i>Proc. Japan Acad.</i> Proceedings of the Japan Academy. (Tokyo)
<i>Phys. Rev. Lett.</i> Physical Review Letters. (New York)	<i>Proc. London Math. Soc.</i> Proceedings of the London Mathematical Society. (London)
<i>Physica.</i> Physica. (Amsterdam)	<i>Proc. Math. Phys. Soc. Egypt.</i> Proceedings of the Mathematical and Physical Society of Egypt. (Cairo) (Continued as: <i>Proc. Math. Phys. Soc. U.A.R.</i>)
<i>Polaska Biblio. Analit. Mech.</i> Polaska Akademia Nauk. Instytut Podstawowych Problemów Techniki. Polaska Bibliografia Analityczna. Mechanika. Polish Scientific Abstracta. Mechanica. (Warsaw)	<i>Proc. Math. Phys. Soc. U.A.R.</i> Proceedings of the Mathematical and Physical Society of U.A.R. (Cairo) (Formerly: <i>Proc. Math. Phys. Soc. Egypt</i>)
<i>Portugal. Math.</i> Portugaliae Mathematica. (Lisbon)	
<i>Portugal. Phys.</i> Portugaliae Physica. (Lisbon)	
<i>Práce Brn. Českoslov. Akad. Věd.</i> Práce Brněnské Základny Československé Akademie Věd. Acta Academiae Scientiarum Českoslovensicæ Basis Brunensis. (Brno)	
<i>Prace Mat.</i> Roczniki Polskiego Towarzystwa Matematycznego. Seria I. Prace Matematyczne. (Warsaw)	
<i>Prakt. Akad. Athénén.</i> Πρακτικά της Ακαδημίας Ἀθηνών. (Athens)	
<i>Prikl. Mat. Meh.</i> Akademija Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Institut Mehaniki. Prikladnaja Matematika i Mehanika. (Moscow) (Translated as: <i>J. Appl. Math. Mech.</i>)	
<i>Prikladna Meh.</i> Akademija Nauk Ukrains'koj RSR. Institut Mehaniki. Prikladna Mehanika. (Kiev) (Formerly listed as: <i>Akad. Nauk Ukrain. RSR Prikl. Meh.</i>)	

ABBREVIATIONS OF NAMES OF JOURNALS

- Proc. Nat. Acad. Sci. U.S.A.*. Proceedings of the National Academy of Sciences of the United States of America. (Washington, D.C.)
- Proc. Nat. Inst. Sci. India Part A.* Proceedings of the National Institute of Sciences of India. Part A. Physical Sciences. (New Delhi)
- Proc. Pakistan Statist. Assoc.* Proceedings of the Pakistan Statistical Association. (Lahore)
- Proc. Phys. Soc.* Proceedings of the Physical Society. (London)
- Proc. Roy. Irish Acad. Sect. A.* Proceedings of the Royal Irish Academy. Section A. (Dublin)
- Proc. Roy. Soc. Edinburgh Sect. A.* Proceedings of the Royal Society of Edinburgh. Section A. (Mathematical and Physical Sciences). (Edinburgh)
- Proc. Roy. Soc. London Ser. A.* Proceedings of the Royal Society of London. Series A. Mathematical and Physical Sciences. (London) (Continued as: *Proc. Roy. Soc. Ser. A*)
- Proc. Roy. Soc. Ser. A.* Proceedings of the Royal Society. Series A. Mathematical and Physical Sciences. (London) (Formerly: *Proc. Roy. Soc. London Ser. A*)
- Proc. Vibration Problems.* Polish Academy of Sciences. Institute of Basic Technical Problems. Proceedings of Vibration Problems. (Warsaw)
- Progr. Theoret. Phys.* Progress of Theoretical Physics. (Kyoto)
- Psychometrika.* Psychometrika. A Journal Devoted to the Development of Psychology as a Quantitative Rational Science. (Chapel Hill, N.C.)
- Publ. Astronom. Soc. Pacific.* Publications of the Astronomical Society of the Pacific. (San Francisco, Calif.)
- Publ. Fac. Sci. Univ. Masaryk.* Spisy Vydávané Přírodovědeckou Fakultou Masarykovy University. Trudy Estestvenno-Istoričeskogo Fakulteta Universitete im. T. G. Masaryka. Publications de la Faculté des Sciences de l'Université Masaryk. (Brno) (Continued as: *Spisy Přírod. Fak. Univ. Brno*)
- Publ. Inst. Math. (Beograd).* Institut Mathématique. Publications de l'Institut Mathématique. Nouvelle Série. (Belgrade) (Formerly: *Acad. Serbe Sci. Publ. Inst. Math.*)
- Publ. Inst. Statist. Univ. Paris.* Publications de l'Institut de Statistique de l'Université de Paris. (Paris)
- Publ. Math. Debrecen.* Publicationes Mathematicae. (Debrecen)
- Publ. Sci. Tech. Ministère de l'Air (Paris).* Publications Scientifiques et Techniques du Ministère de l'Air. (Paris)
- Publ. Sci. Tech. Ministère de l'Air (Paris) Notes Tech.* Publications Scientifiques et Techniques du Ministère de l'Air. Notes Techniques. (Paris)
- Publ. Sci. Univ. Alger Sér. A.* Publications Scientifiques de l'Université d'Alger. Série A. Sciences Mathématiques. (Algiers)
- Publ. Sém. Géom. Univ. Neuchâtel.* Publications du Séminaire de Géométrie de l'Université de Neuchâtel. (Neuchâtel)
- Quart. Appl. Math.* Quarterly of Applied Mathematics. (Providence, R.I.)
- Quart. J. Math. Oxford Ser.* The Quarterly Journal of Mathematics, Oxford Second Series. (Oxford)
- Quart. J. Mech. Appl. Math.* The Quarterly Journal of Mechanics and Applied Mathematics. (Oxford)
- Quart. J. Roy. Astronom. Soc.* The Quarterly Journal of the Royal Astronomical Society. (London)
- Quart. Rev. Sci. Publ.* Polish Academy of Sciences. Distribution Centre for Scientific Publications. Quarterly Review of Scientific Publications. (Warsaw)
- RAAG Newsletter.* RAAG Newsletter. (Tokyo)
- RAAG Res. Notes.* RAAG Research Notes. (Tokyo)
- Rad. Jugoslav. Akad. Znan. Umjet. Odjel Mat. Fiz. Tehn. Nauke.* Rad Jugoslavenske Akademije Znanosti i Umjetnosti. Odjel za Matematičke, Fizičke i Tehničke Nauke. (Zagreb)
- Radio Engrg. and Electronics.* Radio Engineering and Electronics. (Translation of *Radiotekhnika i Elektronika*, a U.S.S.R. Academy of Sciences Publication). (New York) (Translation of *Radiotekhn. i Elektron.*)
- Radiotekhn. i Elektron.* Akademija Nauk SSSR. Radiotekhnika Elektronika. (Moscow) (Translated as: *Radio Engr. and Electronics*)
- Rasprostr. Radiovoln i Ionosfera.* Akademija Nauk SSSR. Trudy Instituta Zeminočiho Magnetizma, Ionosfery i Rasprostraneniya Radiovoln. Rasprostranenie Radiovoln i Ionosfera. (Moscow)
- RCA Rev.* RCA Review. (New York)
- Rech. Aéro.* La Recherche Aéronautique. (Paris)
- Rend. Accad. Naz. dei XL.* Rendiconti, Accademia Nazionale dei XL. (Rome)
- Rend. Accad. Sci. Fis. Mat. Napoli.* Società Nazionale di Napoli. Rendiconto dell'Accademia delle Scienze Fisiche e Matematiche. (Naples)
- Rend. Circ. Mat. Palermo.* Rendiconti del Circolo Matematico di Palermo. (Palermo)
- Rend. Mat. e Appl.* Università di Roma. Istituto Nazionale di Alta Matematica. Rendiconti di Matematica e delle sue Applicazioni. (Rome)
- Rend. Sem. Fac. Sci. Univ. Cagliari.* Rendiconti del Seminario della Facoltà di Scienze della Università di Cagliari. (Cagliari)
- Rend. Sem. Mat. Fis. Milano.* Rendiconti del Seminario Matematico e Fisico di Milano. (Milan)
- Rend. Sem. Mat. Univ. Padova.* Rendiconti del Seminario Matematico dell'Università di Padova. (Padova)
- Rep. Inst. Sci. Tech. Univ. Tokyo.* The Reports of the Institute of Science and Technology, University of Tokyo. (Tokyo)
- Rep. Lib. Arts Sci. Fac. Shizuoka Univ. Sect. Nat. Sci.* Reports of Liberal Arts and Science Faculty, Shizuoka University. Section Natural Science. (Shizuoka) (Formerly: *Nat. Sci. Rep. Lib. Arts Sci. Fac. Shizuoka Univ.*)
- Rep. Res. Inst. Appl. Mech. Kyushu Univ.* Reports of Research Institute for Applied Mechanics. Kyushu University. (Fukuoka)
- Rep. Statist. Appl. Res. Un. Japan. Sci. Engrs.* Reports of Statistical Application Research, Union of Japanese Scientists and Engineers. (Tokyo)
- Repúb. Venezuela Bol. Acad. Ci. Fis. Mat. Nat.* República de Venezuela. Boletín de la Academia de Ciencias Físicas, Matemáticas y Naturales. (Caracas)
- Res. Bull. Panjab Univ.* Research Bulletin of the Panjab University. (Hoshiarpur)
- Res. Rep. Nagaoka Tech. College.* Research Reports of the Nagaoka Technical College. (Nagaoka)
- Rev. Acad. Ci. Madrid.* Revista de la Real Academia de Ciencias Exactas, Fisicas y Naturales de Madrid. (Madrid)
- Rev. Acad. Ci. Zaragoza.* Revista de la Academia de Ciencias Exactas, Fisico-Químicas y Naturales de Zaragoza. (Zaragoza)
- Rev. Acad. Colombiana Ci. Exact. Fis. Nat.* Revista de la Academia Colombiana de Ciencias Exactas, Fisicas y Naturales. (Bogotá)
- Rev. Ci. (Lima).* Revista de Ciencias. (Lima)
- Rev. Fac. Ci. Univ. Coimbra.* Revista da Faculdade de Ciências da Universidade de Coimbra. (Coimbra)
- Rev. Fac. Sci. Univ. Istanbul Sér. A.* (İstanbul) See *Istanbul Univ. Fen. Fak. Mec. Ser. A.*
- Rev. Fac. Sci. Univ. Istanbul Sér. C.* (İstanbul) See *Istanbul Univ. Fen. Fak. Mec. Ser. C.*

ABBREVIATIONS OF NAMES OF JOURNALS

- Rev. Franç. Traitement Information Chiffres.* Revue Française de Traitement de l'Information. Chiffres. (Paris) (Formerly: *Chiffres*)
- Rev. Gén. Sci. Pures Appl.* Revue Générale des Sciences Pures et Appliquées et Bulletin de l'Association Française pour l'Avancement des Sciences. (Paris)
- Rev. Histoire Sci. Appl.* Revue d'Histoire des Sciences et de leurs Applications. (Paris)
- Rev. Inst. Internat. Statist.* Revue de l'Institut International de Statistique. Review of the International Statistical Institute. (The Hague)
- Rev. Mat. Cuyana.* Universidad Nacional de Cuyo. Facultad de Ciencias. Revista Matemática Cuyana. (San Luis)
- Rev. Mat. Elem.* Revista de Matemáticas Elementales. (Bogotá)
- Rev. Mat. Hisp.-Amer.* Revista Matemática Hispano-Americana. (Madrid)
- Rev. Math. Pures Appl.* Académie de la République Populaire Roumaine. Revue de Mathématiques Pures et Appliquées. (Bucharest)
- Rev. Math. Spécial.* Revue de Mathématiques Spéciales. (Paris)
- Rev. Méc. Appl.* Académie de la République Populaire Roumaine. Revue de Mécanique Appliquée. (Bucharest)
- Rev. Mexicana Fis.* Revista Mexicana de Física. (Mexico, D.F.)
- Rev. Modern Phys.* Reviews of Modern Physics. (New York)
- Rev. Optigus.* Revue d'Optique Théorique et Instrumentale. (Paris)
- Rev. Sci. La Revue Scientifique.* Revue Trimestrielle Illustrée. (Paris) (Continued as: *Nucleus*)
- Rev. Un. Mat. Argentina.* Revista de la Unión Matemática Argentina. (Buenos Aires)
- Rice Univ. Studies.* Rice University Studies. (Houston, Tex.)
- Ricerca (Napoli).* La Ricerca. Rivista di Matematiche Pure ed Applicate. (Naples)
- Ricerche Mat.* Ricerche di Matematica. (Naples)
- Riv. Mat. Univ. Parma.* Rivista di Matematica della Università di Parma. (Parma)
- Rjazansk. Gos. Ped. Inst. Učen. Zap.* Rjazanskii Gosudarstvennyi Pedagogičeskii Institut. Učenye Zapiski. (Ryazan)
- Rostov.-na-Donu Gos. Ped. Inst. Fiz.-Mat. Fak. Učen. Zap.* Rostovskii-na-Donu Gosudarstvennyi Pedagogičeskii Institut. Fiziko-Matematičeskii Fakul'tet. Učenye Zapiski. (Rostov-on-Don)
- Rozpravy Československé Akad. Věd.* Rozpravy Československé Akademie Věd. (Prague)
- Rozprawy Inst. Polska Akademii Nauk.* Instytut Podstawowych Problemów Techniki. Rozprawy Inżynierskie. (Warsaw)
- Rozprawy Mat. Polska Akademia Nauk.* Instytut Matematyczny. Rozprawy Matematyczne. (Warsaw)
- Russian Math. Surveys.* Russian Mathematical Surveys. (A translation of the survey articles and of selected biographical articles in *Uspehi Matematicheskikh Nauk*). (London) (Translation of *Uspehi Mat. Nauk*)
- RŽ Astronom. Geod.* Akademija Nauk SSSR. Institut Naučnoj Informacii. Referativnyj Žurnal. Astronomija Geodesija Referaty. (Moscow)
- RŽMat.* Akademija Nauk SSSR. Institut Naučnoj Informacii. Referativnyj Žurnal. Matematika Referaty. (Moscow)
- RŽMeh.* Akademija Nauk SSSR. Institut Naučnoj Informacii. Referativnyj Žurnal. Mechanika Referaty. (Moscow)
- S.A. Science Abstracts. Section A. Physics Abstracts.* (London)
- Sankhyā.* Sankhyā. The Indian Journal of Statistics. (Calcutta) (Continued as: *Sankhyā Ser. A* and *Sankhyā Ser. B*)
- Sankhyā Ser. A.* Sankhyā. The Indian Journal of Statistics. Series A. (Calcutta) (Formerly: *Sankhyā*)
- Sankhyā Ser. B.* Sankhyā. The Indian Journal of Statistics. Series B. (Calcutta) (Formerly: *Sankhyā*)
- S.-B. Berlin. Math. Ges.* Sitzungsberichte der Berliner Mathematischen Gesellschaft. (Berlin)
- S.-B. Deutsch. Akad. Wiss. Berlin Kl. Math. Phys. Tech.* Sitzungsberichte der Deutschen Akademie der Wissenschaften zu Berlin. Klasse für Mathematik, Physik und Technik. (Berlin)
- S.-B. Finn. Akad. Wiss.* Sitzungsberichte der Finnischen Akademie der Wissenschaften. Proceedings of the Finnish Academy of Science and Letters. (Helsinki)
- S.-B. Heidelberg Akad. Wiss. Math.-Nat. Kl.* Sitzungsberichte der Heidelberg Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Klasse. (Heidelberg)
- S.-B. Phys.-Med. Soc. Erlangen.* Sitzungsberichte der physikalisch-medizinischen Societät zu Erlangen. (Erlangen)
- Sb. Vysokého Učení Technického v Brně.* Sborník Vysokého Učení Technického v Brně. (Brno)
- Schr. Math. Inst. Univ. Münster.* Schriftenreihe des Mathematischen Instituts der Universität Münster. (Münster)
- Schweiz. Z. Vermessg. Kulturtech. Photogr.* Schweizerische Zeitschrift für Vermessung, Kulturtechnik und Photogrammetrie. Revue Technique Suisse des Mensurations, du Génie Rural et de Photogrammétrie. (Winterthur)
- Schweiz. Z. Volkswirtschaft Statist.* Schweizerische Zeitschrift für Volkswirtschaft und Statistik. Revue Suisse d'Economie Politique et de Statistique. (Basel)
- Sci. Abstracts Sect. A.* Science Abstracts. Section A. Physics Abstracts. (London) (Usually abbreviated *SA* in the text of *Math. Reviews*)
- Sci. Abstracts Sect. B.* Science Abstracts. Section B. Electrical Engineering Abstracts. (London)
- Sci. Amer.* Scientific American. (New York)
- Sci. Information Notes.* Scientific Information Notes. (Washington, D.C.)
- Sci. Monthly.* The Scientific Monthly. (Washington, D.C.)
- Sci. Papers Coll. Gen. Ed. Univ. Tokyo.* Scientific Papers of the College of General Education. University of Tokyo. (Tokyo) See *Sci. Papers Coll. Gen. Ed. Univ. Tokyo*
- Sci. Papers Coll. Gen. Ed. Univ. Tokyo.* Scientific Papers of the College of General Education. University of Tokyo. (Tokyo) (Formerly listed as: *Sci. Papers Coll. Gen. Ed. Univ. Tokyo*)
- Sci. Papers Inst. Phys. Chem. Res.* Scientific Papers of the Institute of Physical and Chemical Research. (Tokyo) (Formerly: *J. Sci. Res. Inst. Tokyo*)
- Sci. Proc. Roy. Dublin Soc.* The Scientific Proceedings of the Royal Dublin Society. (Dublin) (Continued as: *Sci. Proc. Roy. Dublin Soc. Ser. A*)
- Sci. Proc. Roy. Dublin Soc. Ser. A.* The Scientific Proceedings of the Royal Dublin Society. Series A. (Dublin) (Formerly: *Sci. Proc. Roy. Dublin Soc.*)
- Sci. Proc. Roy. Dublin Soc. Ser. B.* The Scientific Proceedings of the Royal Dublin Society. Series B. (Dublin) (Formerly: *Econ. Proc. Roy. Dublin Soc.*)
- Sci. Rep. Kagoshima Univ.* Science Reports of the Kagoshima University. (Kagoshima)
- Sci. Rep. Kanazawa Univ.* The Science Reports of the Kanazawa University. (Kanazawa)
- Sci. Rep. Res. Inst. Theoret. Phys. Hiroshima Univ.* Scientific Reports of the Research Institute for Theoretical Physics, Hiroshima University. (Hiroshima)
- Sci. Rep. Res. Inst. Tōhoku Univ. Ser. A.* The Science Reports of the Research Institutes. Tōhoku University. Series A. (Physics, Chemistry and Metallurgy). (Sendai)

ABBREVIATIONS OF NAMES OF JOURNALS

- Sci. Rep. Saitama Univ. Ser. A.* The Science Reports of the Saitama University. Series A. Mathematics, Physics and Chemistry. (Urawa)
- Sci. Rep. Tōhoku Univ. Ser. I.* The Science Reports of the Tōhoku University. First Series. (Physics, Chemistry, Astronomy). (Sendai)
- Sci. Rep. Tokyo Kyoiku Daigaku Sect. A.* Science Reports of the Tokyo Kyoiku Daigaku. Section A. (Tokyo)
- Sci. Rep. Yokohama Nat. Univ. Sect. I.* Science Reports of the Yokohama National University. Section I. Mathematics, Physics. (Yokohama)
- Sci. Sinica.* Scientia Sinica. (Peking)
- Scripta Math.* Scripta Mathematica. A Quarterly Journal Devoted to the Philosophy, History, and Expository Treatment of Mathematics. (New York)
- SIAM Rev.* SIAM Review. A Publication of the Society for Industrial and Applied Mathematics. (Philadelphia, Pa.)
- Sibirsk. Mat. Ž.* Sibirskij Matematicheskij Žurnal. (Moscow)
- Simon Stevin.* Simon Stevin. Wis-en Natuurkundig Tijdschrift. (Groningen-Djakarta)
- Skand. Aktuarietidsskr.* Skandinavisk Aktuarietidsskrift. (Uppsala)
- Skr. Norske Vid.-Akad. Oslo I.* Skrifter Utgitt av det Norske Videnskaps-Akademii i Oslo. I. Mat.-Naturv. Klasse. (Oslo)
- Slovensko Akad. Znan. Razred Mat. Fiz. Tehn. Vede Ser. A Razprave.* Slovenska Akademija Znanosti in Umetnosti. Razred za Matematične, Fizikalne in Teknične Vede. Serija A: Matematične, Fizikalne in Kemijne Vede. Razprave. Academia Scientiarum et Artium Slovenica. Clasiss III: Mathematica, Physica, Technica. Series A: Mathematica, Physica, Chemica. Dissertationes. (Ljubljana)
- Smithsonian Contrib. to Astrophys.* Smithsonian Contributions to Astrophysics. (Washington, D.C.)
- Soc. Actuar. Trans.* Society of Actuaries. Transactions. (Chicago, Ill.)
- Soc. Parana. Mat. Anuário.* Anuário da Sociedade Paranaense de Matemática. (Curitiba)
- Soc. Sci. Fenn. Comment. Phys.-Math.* Societas Scientiarum Fennica. Commentationes Physico-Mathematicae. (Helsinki)
- Soc. Sci. Lettres Lódz Bull. Cl. III.* Bulletin de la Société des Sciences et des Lettres de Lódz. Classe III des Sciences Mathématiques et Naturelles. (Lódz)
- Soobšč. Akad. Nauk Gruzin. SSR.* Soobščenija Akademii Nauk Gruzinsskoi SSR. (Tiflis)
- South African J. Sci.* South African Journal of Science. Suid-Afrikaanse Joernaal van Wetenskap. (Johannesburg)
- Soviet Astronom. AJ.* Soviet Astronomy. AJ. (A translation of Astronomičeskij Žurnal of the Academy of Sciences of the USSR). (New York) (Translation of *Astronom. Ž.*)
- Soviet Math. Dokl.* Soviet Mathematics. Doklady. (A translation of the entire pure mathematics section of *Doklady Akademii Nauk SSSR*). (Providence, R.I.) (Translation of mathematics section of *Dokl. Akad. Nauk SSSR*)
- Soviet Physica Acoust.* Soviet Physics. Acoustics. (A translation of Akustičeskij Žurnal of the Academy of Sciences of the USSR). (New York) (Translation of *Akust. Ž.*)
- Soviet Physics Cryst.* Soviet Physics. Crystallography. (A translation of the journal *Kristallografiya* of the Academy of Sciences of the USSR). (New York) (Translation of *Kristallografiya*)
- Soviet Physics Dokl.* Soviet Physics. Doklady. (A translation of the physics sections of *Doklady Akademii Nauk SSSR*). (New York) (Translation of physics sections of *Dokl. Akad. Nauk SSSR*)
- Soviet Physics JETP.* Soviet Physics. JETP. (A translation of Ž. Èksperimental'noi i Teoreticheskoi Fiziki of the USSR). (New York) (Translation of *Ž. Èksper. Teoret. Fiz.*)
- Soviet Physics Solid State.* Soviet Physics. Solid State. (A translation of the journal *Fizika Tverdogo Tela* of the Academy of Sciences of the USSR). (New York) (Translation of *Fiz. Tverd. Tela*)
- Soviet Physics Tech. Phys.* Soviet Physics. Technical Physics. (A translation of Žurnal Tekhnicheskoi Fiziki of the Academy of Sciences of the USSR). (New York) (Translation of *Ž. Tekhn. Fiz.*)
- Soviet Physics Uspekhi.* Soviet Physics. Uspekhi. (A translation of Uspeki Fizicheskikh Nauk (Advances in the Physical Sciences) of the Academy of Sciences, U.S.S.R.). (New York) (Translation of *Uspeki Fiz. Nauk*)
- Spisy Přírod. Fak. Univ. Brno.* Spisy Přirodovědecké Fakulty Univerzity v Brně. Trudy Estestvenno-Istoričeskogo Fakultetu Univerziteta v g. Brno. Publications de la Faculté des Sciences de l'Université à Brno. (Brno) (Formerly: *Publ. Fac. Sci. Univ. Masaryk*)
- SRI J.* SRI Journal. (Menlo Park, Calif.) (Formerly listed as: *SRI Journal*)
- SRI Journal.* SRI Journal. (Menlo Park, Calif.) See *SRI J.*
- Statistica (Bologna).* Statistica. (Bologna)
- Stroje na Zpracování Informaci.* Stroje na Zpracování Informaci. (Prague)
- Studia Logica.* Polska Akademia Nauk. Komitet Filozoficzny. Studia Logica. (Warsaw)
- Studia Math.* Polska Akademia Nauk. Studia Mathematica. (Warsaw)
- Studia Univ. Babeş-Bolyai Ser. I Math. Phys.* Studia Universitatis Babeş-Bolyai. Series I. Mathematica Physica. (Cluj)
- Sudhoff's Arch.* Sudhoff's Archiv für Geschichte der Medizin und der Naturwissenschaften. (Wiesbaden)
- Súgaku.* Súgaku. (Tokyo)
- Summa Brasil. Math.* Summa Brasiliensis Mathematicae. (Rio de Janeiro)
- Svenska Aeroplan A. B. Tech. Notes.* SAAB Aircraft Company. Svenska Aeroplan Aktiebolaget. Technical Notes. (Linköping)
- Tartu Riikl. Ül. Toimetised.* Tartu Riikliku Ülikooli Toimetised. Učenye Zapiski Tartuakogo Gosudarstvennogo Universiteta. Matemaatika-Loodusteadusdoktorina Töid. Trudy Estestvenno-Matematičeskogo Fakulteta. (Tallinn)
- Tashkent. Gos. Ped. Inst. Učen. Zap.* Ministerstvo Prosvjetjenija Uzbekskoj SSR. Tashkentskij Gosudarstvennyj Pedagogičeskij Institut im. Nizami. Učenye Zapiski. Fiziko-Matematičeskij. (Tashkent)
- Tech. Rep. Engry. Res. Inst. Kyoto Univ.* Technical Report of the Engineering Research Institute. Kyoto University. (Kyoto)
- Tech. Transl.* Technical Translations. (Washington, D.C.)
- Technometrics.* Technometrics. A Journal of Statistics for the Physical, Chemical and Engineering Sciences. (Princeton, N.J.)
- Tensor.* Tensor. New Series. (Sapporo)
- Teor. Verojatnost. i Primenen.* Akademija Nauk SSSR. Teorija Verojatnosti i ee Primenenija. (Moscow) (Translated as: *Theor. Probability Appl.*)
- Thalès.* Thalès. Recueil Annuel des Travaux de l'Institut d'Histoire des Sciences et des Techniques de l'Université de Paris. (Paris)
- Theor. Probability Appl.* Theory of Probability and its Applications. (An English translation of the Soviet journal *Teorija Verojatnosti i ee Primenenija*). (Philadelphia, Pa.) (Translation of *Teor. Verojatnost. i Primenen.*)
- Theoria (Lund).* Theoria. A Swedish Journal of Philosophy and Psychology. (Lund)
- Tōhoku Math. J.* The Tōhoku Mathematical Journal. (Sendai)
- Tomsk. Gos. Univ. Učen. Zap.* Tomskij Gosudarstvennyj Universitet im. V. V. Kulibinova. Učenye Zapiski. (Tomsk)
- Topology.* Topology. An International Journal of Mathematics. (Oxford)

ABBREVIATIONS OF NAMES OF JOURNALS

- Trabajos Estadist.* Trabajos de Estadística. (Madrid)
- Trans. Amer. Inst. Elec. Engrs.* Transactions of the American Institute of Electrical Engineers. (New York)
- Trans. Amer. Math. Soc.* Transactions of the American Mathematical Society. (Providence, R.I.)
- Trans. Amer. Philos. Soc.* Transactions of the American Philosophical Society Held at Philadelphia for Promoting Useful Knowledge. (Philadelphia, Pa.)
- Trans. ASME Ser. A. J. Engng. Power.* Transactions of the ASME. Series A. Journal of Engineering for Power. (New York)
- Trans. ASME Ser. B. J. Engng. Indust.* Transactions of the ASME. Series B. Journal of Engineering for Industry. (New York)
- Trans. ASME Ser. E. J. Appl. Mech.* Transactions of the ASME. Series E. Journal of Applied Mechanics. (New York) (Formerly: *J. Appl. Mech.*)
- Trans. Faraday Soc.* Transactions of the Faraday Society. (London)
- Trans. Roy. Soc. Edinburgh.* Transactions of the Royal Society of Edinburgh. (Edinburgh)
- Trans. Roy. Soc. South Africa.* Transactions of the Royal Society of South Africa. (Cape Town)
- Trav. Soc. Sci. Lett. Wrocław Ser. B.* Travaux de la Société des Sciences et des Lettres de Wrocław. Serie B. (Wrocław)
- Trudy Akad. Nauk Litov. SSR Ser. B.* Lietuvos TSR Mokalų Akademijos Darbai. Serija B. Akademijos Nauk Litovskoj SSR. Trudy. Serija B. (Vilna)
- Trudy Inst. Istor. Estest. Tekhn.* Akademija Nauk SSSR. Trudy Instituta Istorii Estestvoznanija i Tekhniki. (Moscow)
- Trudy Inst. Mašinoved. Sem. Točn. Mašinostroj. Priborostroj.* Akademija Nauk SSSR. Trudy Instituta Mašinovedenija. Seminar po Točnosti v Mašinostrojenii i Priborostrojenii. (Moscow)
- Trudy Inst. Teoret. Astronom.* Akademija Nauk SSSR. Trudy Instituta Teoretičeskoi Astronomii. (Moscow)
- Trudy Kazan. Aviacion. Inst. Mat. i Meh.* Trudy Kazanskogo Aviacionnogo Instituta. Matematika i Mechanika. (Kazan)
- Trudy Leningrad. Tehn. Inst. Trudy Kafedr. Meh. Fak.* Ministerstvo Vysšego Obrazovanija SSSR. Trudy Leningradskogo Tehnologičeskogo Instituta im. Lensoveta. Trudy Kafedr Mehanika i Fiziki. (Leningrad)
- Trudy Mat. Inst. Steklov.* Akademija Nauk Sojuza Sovetskikh Socialističeskikh Respublik. Trudy Matematicheskogo Instituta im. V. A. Steklova. (Moscow-Leningrad)
- Trudy Samarkand. Gos. Univ. Mat.* Ministerstvo Vysšego i Srednego Special'nogo Obrazovanija UzSSR. Trudy Samarkandskogo Gosudarstvennogo Universiteta im. A. Navoi. Matematika. (Samarkand)
- Trudy Sem. Vektor. Tenzor. Anal.* Trudy Seminara po Vektornomu i Tenzornomu Analizu s ih Prilozhenijami k Geometrii, Mehanike i Fizike. (Moscow)
- Trudy Tashkent. Gos. Univ.* Trudy Tashkentskogo Gosudarstvennogo Universiteta im. V. I. Lenina. Matematika. (Tashkent)
- Trudy Tomsk. Gos. Univ. Ser. Meh.-Mat. Geom. Sb.* Trudy Tomskogo Gosudarstvennogo Universiteta im. V. V. Kulibjeva. Serija Mehaniko-Matematičeskaja. Geometričeskij Sbornik. (Tomsk)
- Trudy Vyčisl. Centra Akad. Nauk Gruzii. SSR.* Akademija Nauk Gruzinskoi SSR. Trudy Vyčislitel'nogo Centra. (Tiflis)
- Tul'sk. Gos. Ped. Inst. Učen. Zap. Fiz.-Mat. Nauk.* Tul'skij Gosudarstvennyj Pedagogičeskij Institut im. L. N. Tolstogo. Učenye Zapiski. Fiziko-Matematičeskie Nauki. (Tula)
- U.S.S.R. Comput. Math. and Math. Phys.* U.S.S.R. Computational Mathematics and Mathematical Physics. (Oxford) (Translation of *Z. Vychisl. Mat. i Mat. Fiz.*)
- Učen. Zap. Borisoglebsk. Gos. Ped. Inst.* Ministerstvo Prosvetlenija RSFSR. Učenye Zapiski. Borisoglebskogo Gosudarstvennogo Pedagogičeskogo Instituta. (Borisoglebsk)
- Učen. Zap. Karel. Ped. Inst. Ser. Fiz.-Mat. Nauk.* Ministerstvo Prosvetlenija RSFSR. Karel'skij Pedagogičeskij Institut. Učenye Zapiski. Serija Fiziko-Matematičeskikh Nauk. (Petrozavodsk)
- Ukrain. Mat. Ž.* Akademija Nauk Ukrainskoj SSR. Institut Matematiki. Ukrainskij Matematičeskij Žurnal. (Kiev)
- Univ. Beograd. Publ. Elektrotehn. Fak. Ser. Mat. Fiz.* Univerzitet u Beogradu. Publikacije Elektrotehničkog Fakulteta. Serija Matematika i Fizika. (Belgrade)
- Univ. Bergen Årbok Naturvit. Rekke.* Universitet i Bergen Årbok. Naturvitenskapelig Rekke. (Bergen) (Continued as: *Årbok Univ. Bergen Mat.-Nat. Ser.*)
- Univ. Buenos Aires Contrib. Ci. Ser. Fis.* Universidad de Buenos Aires. Facultad de Ciencias Exactas, Fisicas y Naturales. Contribuciones Científicas. Serie Física. (Buenos Aires)
- Univ. Buenos Aires Contrib. Ci. Ser. Mat.* Universidad de Buenos Aires. Facultad de Ciencias Exactas y Naturales. Contribuciones Científicas. Serie Matemática. (Buenos Aires)
- Univ. California Publ. Math.* University of California. Publications in Mathematics. (Berkeley-Los Angeles, Calif.)
- Univ. California Publ. Statist.* University of California. Publications in Statistics. (Berkeley-Los Angeles, Calif.)
- Univ. Central Venezuela Bol. Fac. Ing.* Universidad Central de Venezuela. Boletín de la Facultad de Ingeniería. (Caracas)
- Univ. e Politec. Torino Rend. Sem. Mat.* Università e Politecnico di Torino. Rendiconti del Seminario Matematico (già "Conferenze di Fisica e di Matematica"). (Turin)
- Univ. Illinois Bull. Engng. Exper. Station Bull.* University of Illinois. Bulletin. Engineering Experiment Station Bulletin. (Urbana, Ill.)
- Univ. Lisboa Revista Fac. Ci. A.* Universidade de Lisboa. Revista da Faculdade de Ciências. 2.ª Série. A. Ciências Matemáticas. (Lisbon)
- Univ. Madrid Publ. Sec. Mat. Fac. Ci.* Universidad de Madrid. Publicaciones de la Sección de Matemática de la Facultad de Ciencias. (Madrid)
- Univ. Nac. La Plata Publ. Fac. Ci. Fisicomat. Serie Segunda Rev. (or Contrib.)* Universidad Nacional de la Plata. Publicaciones de la Facultad de Ciencias Fisicomatemáticas. Serie Segunda. Revista (or Contribuciones). (La Plata)
- Univ. Nac. La Plata Publ. Fac. Ci. Fisicomat. Serie Tercera Publ. Esp.* Universidad Nacional de la Plata. Publicaciones de la Facultad de Ciencias Fisicomatemáticas. Serie Tercera. Publicaciones Especiales. (La Plata)
- Univ. Nac. Tucumán Publ.* Universidad Nacional de Tucumán. Publicación. (Tucumán)
- Univ. Nac. Tucumán Rev. Ser. A.* Universidad Nacional de Tucumán. Facultad de Ciencias Exactas y Tecnología. Revista. Serie A. Matemáticas y Física Teórica. (Tucumán)
- Univ. Republ. Fac. Ingen. Agrimens. Montevideo Publ. Inst. Mat. Estadist.* Universidad de la República. Facultad de Ingeniería y Agrimensura. Montevideo-Uruguay. Publicaciones del Instituto de Matemática y Estadística. (Montevideo) (Formerly: *Fac. Ingen. Montevideo Publ. Inst. Mat. Estadist.*)
- Uspehi Fiz. Nauk.* Akademija Nauk SSSR. Uspehi Fiziki Nauk. (Moscow-Leningrad) (Translated as: *Soviet Physics Uspehi*)
- Uspehi Mat. Nauk.* Akademija Nauk SSSR i Moskovskoe Matematicheskoe Obščestvo. Uspehi Matematicheskikh Nauk. (Moscow-Leningrad) (Selected articles translated as: *Russian Math. Surveys*)
- Užgorod. Gos. Univ. Naučn. Zap.* MVO USSR. Užgorodskij Gosudarstvennyj Universitet. Naučnye Zapiski. (Lvov)
- Verh. Nederl. Akad. Wetensch. Afd. Natuurk. Sect. I.* Verhandelingen der Koninklijke Nederlandse Akademie van Wetenschappen, Afdeeling Natuurkunde. Eerste Sectie. (Amsterdam)
- Vesn. Akad. Nauk BSSR Ser. Fiz.-Tekhn. Nauk.* Vesn. Akademii Nauk BSSR. Serija Fizika-Tehnichnyh Nauk. (Minsk)
- Vestnik Akad. Nauk Kazah. SSR.* Vestnik Akademii Nauk Kazahskoj SSR. (Alma-Ata)
- Vestnik Leningrad.* Univ. Vestnik Leningradskogo Universiteta. (Leningrad) (See *Vestnik Leningrad. Univ. Ser. Fiz. Him. and Vestnik Leningrad. Univ. Ser. Mat. Meh. Astronom.*)

ABBREVIATIONS OF NAMES OF JOURNALS

- Vestnik Leningrad. Univ. Ser. Fiz. Him.* Vestnik Leningradskogo Universiteta. Serija Fiziki, Himii. (Leningrad) (Formerly listed as: *Vestnik Leningrad. Univ.*)
- Vestnik Leningrad. Univ. Ser. Mat. Meh. Astronom.* Vestnik Leningradskogo Universiteta. Serija Matematiki, Mehaniki i Astronomii. (Leningrad) (Formerly listed as: *Vestnik Leningrad. Univ.*)
- Vestnik Moskov. Univ. Ser. I Mat. Meh.* Vestnik Moskovskogo Universiteta. Serija I. Matematika, Mehanika. (Moscow)
- Vestnik Moskov. Univ. Ser. III Fiz. Astronom.* Vestnik Moskovskogo Universiteta. Serija III. Fizika, Astronomija. (Moscow)
- Vestnik Statist.* Vestnik Statistiki. Organ Central'nogo Statisticheskogo Upravlenija pri Sovete Ministrów SSSR. (Moscow)
- Vierteljahrsschr. Naturforsch. Ges. Zürich.* Vierteljahrsschrift der Naturforschenden Gesellschaft in Zürich. (Zürich)
- Vijnana Parishad Anusandhan Patrika.* Vijnana Parishad Anusandhan Patrika [The Research Journal of the Hindi Science Academy]. (Allahabad)
- Vilniaus Valst. Univ. Mokalo Darbai Mat. Fiz. Chem. Moksų Ser.* TSRS Aukitojo Mokalo Ministerija. Vilniaus Valstybinis Universitetas. Mokalo Darbai. Matematikos, Fizikos ir Chemijos Mokalo Serija. Ministerstvo Vyšego Obrasovaniija SSSR. Vil'nyuskių Gosudarstvennyi Universitet. Učenye Trudy. Serija Matematicheskikh, Fiziko-tekhnicheskikh i Chimicheskikh Nauk. (Vilna)
- Virginia J. Sci.* The Virginia Journal of Science. A Journal Issued Quarterly by the Virginia Academy of Science. (Blacksburg, Va.)
- Voprosy Istor. Estestv. i Tehn.* Akademija Nauk SSSR. Voprosy Istorii Estestvoznanija i Tehniki. (Moscow)
- Voprosy Kozmog.* Akademija Nauk SSSR. Voprosy Kosmogonii. (Moscow)
- Voprosy Meh.* Moskovskij Gosudarstvennyi Universitet im. M. V. Lomonosova. Voprosy Mehaniki. (Moscow)
- Vsesojuz. Zaočn. Inst. Inž. Železn. Transport. Učen. Zap. Trudy Kafedr Vys. Mat. i Teoretičeskoi Fiziki.* Ministerstvo Putей Soobščenija Vsesojuznyj Zaočnyj Institut Inženerov Železodorozhnoj Transporta. Učenye Zapiski. Trudy Kafedr Vysokoj Matematiki i Teoretičeskoi Mehaniki. (Moscow)
- Vyčisl. Mat. Akademija Nauk SSSR.* Vyčislitel'nyi Centr. Vyčislitel'naja Matematika. (Moscow)
- Wiadom. Mat.* Roczniki Polackiego Towarzystwa Matematycznego. Ser. II. Wiadomości Matematyczne. (Warsaw)
- Wiss. Z. Ernst-Moritz-Arndt-Univ. Greifswald Math.-Nat. Reihe.* Wissenschaftliche Zeitschrift der Ernst-Moritz-Arndt-Universität Greifswald. Mathematisch-Naturwissenschaftliche Reihe. (Greifswald) (Formerly: *Wiss. Z. Univ. Greifswald Math.-Nat. Reihe*)
- Wiss. Z. Friedrich-Schiller-Univ. Jena/Thüringen.* Wissenschaftliche Zeitschrift der Friedrich-Schiller-Universität Jena/Thüringen. (Jena/Thüringen)
- Wiss. Z. Hochsch. Elektrotech. Ilmenau.* Wissenschaftliche Zeitschrift der Hochschule für Elektrotechnik. Ilmenau. (Ilmenau)
- Wiss. Z. Hochsch. Schwermaschinenbau Magdeburg.* Wissenschaftliche Zeitschrift der Hochschule für Schwermaschinenbau. Magdeburg. (Magdeburg) (Continued as: *Wiss. Z. Techn. Hochsch. Otto von Guericke Magdeburg*)
- Wiss. Z. Humboldt-Univ. Berlin Math.-Nat. Reihe.* Wissenschaftliche Zeitschrift der Humboldt-Universität Berlin. Mathematisch-Naturwissenschaftliche Reihe. (Berlin)
- Wiss. Z. Karl-Marx-Univ. Leipzig Math.-Nat. Reihe.* Wissenschaftliche Zeitschrift der Karl-Marx-Universität Leipzig. Mathematisch-Naturwissenschaftliche Reihe. (Leipzig)
- Wiss. Z. Martin-Luther-Univ. Halle-Wittenberg Math.-Nat. Reihe.* Wissenschaftliche Zeitschrift der Martin-Luther-Universität Halle-Wittenberg. Mathematisch-Naturwissenschaftliche Reihe. (Halle-Wittenberg)
- Wiss. Z. Pädagog. Hochsch. Potsdam Math.-Nat. Reihe.* Wissenschaftliche Zeitschrift der Pädagogischen Hochschule Potsdam. Mathematisch-Naturwissenschaftliche Reihe. (Potsdam)
- Wiss. Z. Techn. Hochsch. Chem. Leuna-Merseburg.* Wissenschaftliche Zeitschrift der Technischen Hochschule für Chemie Leuna-Merseburg. (Leuna-Merseburg)
- Wiss. Z. Techn. Hochsch. Dresden.* Wissenschaftliche Zeitschrift der Technischen Hochschule Dresden. (Dresden)
- Wiss. Z. Techn. Hochsch. Otto von Guericke Magdeburg.* Wissenschaftliche Zeitschrift der Technischen Hochschule Otto von Guericke Magdeburg. (Magdeburg) (Formerly: *Wiss. Z. Hochsch. Schwermaschinenbau Magdeburg*)
- Wiss. Z. Univ. Greifswald Math.-Nat. Reihe.* Wissenschaftliche Zeitschrift der Universität Greifswald. Mathematisch-Naturwissenschaftliche Reihe. (Greifswald) (Continued as: *Wiss. Z. Ernst-Moritz-Arndt-Univ. Greifswald Math.-Nat. Reihe*)
- Yokohama Math. J.* Yokohama Mathematical Journal. (Yokohama)
- Z. Angew. Math. Mech.* Zeitschrift für Angewandte Mathematik und Mechanik. Ingenieurwissenschaftliche Forschungsarbeiten. (Berlin)
- Z. Angew. Math. Phys.* Zeitschrift für Angewandte Mathematik und Physik. ZAMP. Journal of Applied Mathematics and Physics. Journal de Mathématiques et de Physiques Appliquées. (Basel)
- Z. Angew. Phys.* Zeitschrift für Angewandte Physik. (Berlin)
- Z. Astrophys.* Zeitschrift für Astrophysik. (Berlin-Göttingen-Heidelberg)
- Z. Èksper. Teoret. Fiz.* Akademija Nauk SSSR. Èksperimental'naja i Teoretičeskaja Fizika. (Moscow) (Translated as: *Soviet Physics JETP*)
- Z. Flugwiss.* Zeitschrift für Flugwissenschaften. (Braunschweig)
- Z. Math. Logik Grundlagen Math.* Zeitschrift für Mathematische Logik und Grundlagen der Mathematik. (Berlin)
- Z. Meteorol.* Zeitschrift für Meteorologie. (Berlin)
- Z. Naturforsch.* Zeitschrift für Naturforschung. (Tübingen)
- Z. Physik.* Zeitschrift für Physik. (Berlin-Göttingen-Heidelberg)
- Z. Tehn. Fiz.* Akademija Nauk SSSR. Zurnal Tekhnicheskoi Fiziki. (Moscow-Leningrad) (Translated as: *Soviet Physics Tech. Phys.*)
- Z. Vychisl. Mat. i Mat. Fiz.* Akademija Nauk SSSR. Èksperimental'naja Matematika i Matematicheskaja Fizika. (Moscow) (Translated as: *U.S.S.R. Comput. Math. and Math. Phys.*)
- Z. Wahrscheinlichkeitstheorie und Verwandte Gebiete.* Zeitschrift für Wahrscheinlichkeitstheorie und verwandte Gebiete. (Berlin)
- Zastos. Mat.* Polska Akademia Nauk. Instytut Matematyczny. Zastosowania Matematyki. (Warsaw)
- Zbl. Zentralblatt für Mathematik und ihre Grenzgebiete.* (Berlin-Göttingen-Heidelberg)
- Zbl. Math.* Zentralblatt für Mathematik und ihre Grenzgebiete. (Berlin-Göttingen-Heidelberg) (Usually abbreviated *Zbl* in the text of *Math. Reviews*)
- Zeszyty Nauk. Univ. Jagiello.* Prace Mat. Zeszyty Naukowe Uniwersytetu Jagiellońskiego. Prace Matematyczne. (Matematyka, Fizyka, Chemia) (Kraków)
- Zeszyty Nauk. Uniu. Mickiewicza.* Zeszyty Naukowe Uniwersytetu im. A. Mickiewicza. (Poznań)

ERRATA AND ADDENDA

VOLUME 22

#11297 : Mandan, Sahib Ram

The reviewer accepts the author's contention that the last two lines of the review should read: "... joined by four lines having a transversal, the same transversal for all the eight pairs of tetrahedra. The eight lines of four collinear points lie in a hyperplane and belong to a regulus."

VOLUME 25

#3395 : Freudenthal, Hans

The reviewer accepts the author's contention that the fact mentioned is not properly representative of the content of the paper; it is evident from Cartan's list and does not need any proof. The paper is in fact a critical analysis of Rosenfeld's investigations, with no positive result at all.

#3525 : Mazur, Barry

The reviewer has communicated the following addendum. The homotopy 4-sphere W constructed by the author has been shown by Zeeman to be a topological 4-sphere; consequently, there is a locally flat 2-sphere Σ in S^4 such that $\pi(S^4 - \Sigma)$ is a (non-trivial) extension of the binary icosahedral group by the infinite cyclic group (the author's claim that this group is the direct product of the icosahedral group and the infinite cyclic group is incorrect); this 2-sphere Σ can easily be constructed by spinning a trefoil, simultaneously twisting it five times.

The part of the paper relating to S^5 is incorrect. Zeeman has observed to the reviewer that the mistake occurs on p. 248, l. 22; in fact the S^3 constructed in S^5 is not the set of fixed points of Φ_r , but is only set-wise fixed. Thus the higher-dimensional Smith conjecture remains open: If a periodic autohomeomorphism of S^n has fixed-point set S^{n-2} , is S^{n-2} unknotted?

#3786 : Alekseev, V. M.

Delete the words "Author's summary" in the first line of the review.

#3867 : McLachlan, Dan, Jr.; Chamberlain, L. L.

The reviewer wishes to add the following remark at the end of the review: See also Problem 13, Chapter 5, in J. Riordan's book, *Combinatorial analysis* [John Wiley & Sons, Inc., New York, 1958; MR 20 #3077] and Riordan's review of a paper of Rosenstock and Maradudin [Amer. J. Phys. 30 (1962), 330–332; MR 24 #A3078].

#3868 : Banaschewski, Bernhard

The author requests that his original usage of "inductive partially ordered set" be retained in place of "partially

VOLUME 23

#A4206 : Richter, Hans

In line 7 from the bottom, insert the word "Mass" after "Lebesguesches"; in line 6 from the bottom, replace $g_i \leq 0$ by $g_i \geq 0$; and in line 3 from the bottom, replace "alternativtestes" by "Alternativtestes".

VOLUME 25

ordered set of natural numbers" in the first and last sentences.

#3958 : Taft, E. J.

The last line of the review should be corrected to read "... $\exp(\text{Ad } z)$ for some $z \in N$, and $\tau z = z$ for all $\tau \in G$, τ an automorphism, and $\tau z = -z$ for all $\tau \in G$, τ an anti-automorphism."

#4054, #4055 : Oxtoby, J. C.

The review of #4054 appears under #4055, and vice versa.

#4473 : Matsumoto, Makoto; Kitamura, Shin-ichi

The pagination given in the heading should be 97–122, not 97–123.

#5104 : Ward, Harold N.

The pagination given in the heading should be 113–114, not 121–122.

#5120 : Wagner, A.

In line 11 of the review, the formula $a \cdot x = b = a \cdot y$ should read $a \cdot x = b = y \cdot a$.

#5175 : Malliavin, Paul; Rubel, L. A.

The reviewer has communicated the following revision. Statement of main theorem: To every $g \in A$, $g(z) = 0$ ($z \in \Lambda'$) there is an $f(z) \in A$, $f(z) = 0$ ($z \in \Lambda$), and satisfying $|f(z)| \leq |g(z)|$ on the imaginary axis, if and only if for $0 < u < v$

$$n(v, \Lambda) - n(u, \Lambda) < n(v, \Lambda') - n(u, \Lambda') + O(1).$$

Addendum: As an application the completeness problem of $\{e^{-\lambda} u^2\}$ in a horizontal strip under uniform convergence on compact sets is solved completely. The paper also contains a discussion of the following problem: Given a sequence Λ of positive numbers, find the minimum of $\limsup_{z \rightarrow \infty} \log |f(z)|/|z|$ as $f(z)$ runs through all functions f in A vanishing on Λ . The surprising result is that the minimum is not always given by $f_0(z) = \prod (1 - z^2/\lambda^2)$ ($\lambda \in \Lambda$). A necessary and sufficient density condition is given under which $f_0(x)$ does yield the minimum.

VOLUME 26

#88: Cohen, Eckford

The last sentence of the review should be replaced by the following sentence: The author proves that $E(n) \sim (n/\log n)^2 \beta(n)$ as $n \rightarrow \infty$ through even numbers.

#324: Hayman, W. K.

In the first line after the displayed formula (v) read δ for β . In the third line after (v) delete the symbol \times at the end of the line.

#503: Vincze, E.

The reviewer communicates the following addendum to the review. The author uses some simple lemmas on determinants and linear dependence to solve generalized functional equations of Pexider and Aczél, which were stated in the original reviews.

#508: Aczél, J.

The reviewer offers the following revision of his review. The general (not necessarily continuous) solution of

the functional equations (with f and g ranging over arbitrary sets and having values in arbitrary fields) $\sum_{k=1}^n f_k(x)g_k(y) = 0$ is presented, and some applications given.

#1035: Feinberg, E. L.

In line 5 of the second paragraph, change the word "intersection" to "interaction".

#1271: Lenz, Hanfried

Replace the words "strong ordered" by "near-ordered".

#1653: Kangro, G.; Tynnov, M. [Tönnov, M.]

In line 7 replace $|B|$ by B , and in line 9 replace " A -summable" by " $|A|$ -summable".

#3252: Pan, H. H.

Add the following information to the heading: *addendum*, *ibid.* 16 (1963), 304.

TRANSLITERATION OF RUSSIAN

Russian Letter Cap. Ital.	Mathematical Reviews	Zentralblatt für Mathematik	Bulletin Signalétique	Applied Mechanics Reviews	Science Abstracts	U.S. Library of Congress	Amer. Slavic & E. European Review	Journal of Symbolic Logic
А а	a	a	a	a	a	a	a	a
Б б	b	b	b	b	b	b	b	b
В в	v	v	v	v	v	v	v	v
Г г	g	g	g	g	g	g	g	g
Д д	d	d	d	d	d	d	d	d
Е е	e	e	e	e	e	e	e	e
Ё ё	ë	ë	ë	ë	ë	ë	ë	ë
Ж ж	ž	ž	ž	ž	ž	ž	ž	ž
З з	z	z	z	z	z	z	z	z
И и	i	i	i	i	i	i	i	i
Й й	ij	ij	ij	ij	ij	ij	ij	ij
К к	k	k	k	k	k	k	k	k
Л л	l	l	l	l	l	l	l	l
М м	m	m	m	m	m	m	m	m
Н н	n	n	n	n	n	n	n	n
О о	o	o	o	o	o	o	o	o
П п	p	p	p	p	p	p	p	p
Р р	r	r	r	r	r	r	r	r
С с	s	s	s	s	s	s	s	s
Т т	t	t	t	t	t	t	t	t
У у	u	u	u	u	u	u	u	u
Ф ф	f	f	f	f	f	f	f	f
Х х	ch	ch	ch	kh	kh	kh	kh	ch
Ц ц	c	c	c	ts	ts	ts	ts	c
Ч ч	č	č	č	ch	ch	ch	č	č
Ш ш	š	š	š	sh	sh	sh	š	š
Щ щ	šč	šč	šč	shch	shch	shch	šč	šč
Ъ ъ	-	-	-	-	-	-	-	-
Ы ы	y	y	y	í	í	í	y	y
Ӯ ӯ	ü	ü	ü	é	é	é	ü	ü
Ҷ ҷ	ju*	ju	ju	yu	yu	ju	ju	e
Ҹ ҹ	ja†	ja	ja	ya	ya	ja	ja	ú

* formerly yu
† formerly ya



{